



	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
1	SELENIUM TASK-JAN2022																									
2	BROWSER LAUNCH		LOCATORS AND SEND KEYS		LOCATOR,RADIO BUTTON,CHECK BOX,BUTTON		Debug,Xpath contains,text getText();getAttribute();		ACTION		ROBOT CLASS,CONTEXT CLICK,RIGHT CLICK		SCREEN SHOT,SCROLL UP,SCROLL DOWN		ALERT ,FRAME		DROP DOWN		WINDOW HANDLING		WEB TABLE		JAVA SCRIPT			
3	DAY-01	STATUS	DAY-02	STATUS	DAY-03	STATUS	DAY-04	STATUS	DAY-05	STATUS	DAY-06	STATUS	DAY-07	STATUS	DAY-08	STATUS	DAY-09	STATUS	DAY-10	STATUS	DAY-11	STATUS	DAY-12	STATUS		
4	1 OK		1 OK		1 OK		1 OK		1 OK		1 OK		1 OK		1 OK		1 OK		1 OK		1 OK		1 OK			
5	2 OK		2 OK		2 OK		2 NOT OK		2 OK		2 OK		2 OK		2 OK		2 OK		2 OK		2 OK		2 OK			
6	3 OK		3 OK		3 OK		3 OK		3 OK		3 OK		3 OK		3 ok		3 OK		3 OK		3 OK		3 OK			
7	4 OK		4	OK	4 OK		4 OK		4 OK		4 OK		4 OK		4 OK		4 ok		4	OK	4	OK		4 OK		
8	5 OK		5 OK		5 OK		5 OK		5 OK		5 OK		5 OK		5	OK	5 ok		5	OK	5	OK		5 OK		
9	6 OK		6	OK	6 OK		6 OK		6 OK		6 OK		6 OK		6	OK	6 OK		6 OK		6	OK		6 OK		
10	7 OK		7 OK		7 OK		7 OK		7 OK		7 OK		7 OK		7 OK		7 OK		7 OK		7 OK		7 OK			
11	8 OK		8 OK		8 OK		8 OK		8 OK		8 OK		8 OK		8 OK		8	OK	8 OK							
12	9 OK		9 OK		9 OK		9 OK		9 OK		9 OK		9 OK		9	OK	9	OK								
13	10 OK		10 OK		10 OK		10 OK		10 OK		10 OK		10 OK		10	OK	10	OK								
14	11 OK		11 OK		11	OK	11	OK	11 OK		11	OK	11	OK	11	OK	11	OK								
15	12 OK		12 OK		12	OK	12	OK	12	OK	12	OK	12	OK	12	OK	12	OK	12 OK		12 OK		12 OK		12 OK	
16	13 OK																									
17	14 OK																									
18																										
19																										
20																										
21																										
22																										
23	TOTAL	3	10	14	12	20	OK		11	12	8		13		14		5		6		128					
24	INCOMPLETE	1	0	3	1	8		0	4	2		7		9		5		6		46		COMPLETE	82			

CORE JAVA TEST PAPERS SELENIUM TEST PAPERS FRAME WORK SELENIUM TASK ISSUES TIME SHEET

**QUESTION 1:**

```
-----  
Project      :EmployeeDetails  
Package      :org.emp  
Class        :Employee  
Methods  
:empId(), empName(), empDob(), empPhone(), empEmail(), empAddress()
```

**Description:**

Create an object for employee class and call above methods also follow the all coding standards.

**QUESTION 2:**

```
-----  
Project      :GreensAddress  
Package      :org.add  
Class        :GreensTech  
Methods  
:greensOmr(), greensAdayar(), greensTambaram(), greensVelacherry(), greensAnnaN  
agar()
```

**Description:**

Create an object for GreensTech class and call above methods also follow the all coding standards.

**QUESTION 3:**

```
-----  
Project      :CompanyDetails  
Package      :org.company  
Class        :CompanyInfo  
Methods      :companyName(), companyId(), companyAddress()
```

**Description:**

Create an object for CompanyDetails class and call above methods also follow the all coding standards.

**QUESTION 4:**

```
-----  
Project      :MyPhone  
Package      :org.phone  
Class        :PhoneInfo  
Methods      :phoneName(), phoneMieNum(), Camera(), storage(), osName()
```

**Description:**

Create an object for PhoneInfo class and call above methods also follow the all coding standards.

**QUESTION 5:**

```
-----  
Project      :LanguageDetails  
Package      :org.lang  
  
Class        :LanguageInfo  
Methods      :tamilLanguage(), englishLanguage(), hindiLanguage()  
  
Class        :StateDetails  
Methods      :southIndia(), northIndia()
```

**Description:**

Create an object for LanguageInfo and StateDetails inside the StateDetails class and call both classes methods also follow the all coding standards

The screenshot shows the Eclipse IDE interface with two code editors and a shared Console view.

**Employee.java:**

```
1 package org.emp;
2
3 public class Employee {
4     private void empId() {
5         System.out.println("empid is created ");
6     }
7     private void empName() {
8         System.out.println("empName is created");
9     }
10    private void empDob() {
11        System.out.println("empDob is created"); //empPhone(),empEmail()
12    }
13    private void empPhone() {
14        System.out.println("empPhone is created");
15    }
16    private void empEmail() {
17        System.out.println("empEmail is created");
18    }
19    private void empAddress() {
20        System.out.println("empAddress is created");
21    }
22
23    public static void main(String[] args) {
24        Employee c =new Employee();
25        c.empId();
26        c.empName();
27        c.empDob();
28        c.empPhone();
29        c.empEmail();
30        c.empEmail();
31        c.empAddress();
32    }
33
34 }
```

**GreensTech.java:**

```
1 package org.add;
2
3 public class GreensTech {
4     private void greensOmr() {
5         System.out.println("greensOmr is created");
6     }
7     private void greensAdyar() {
8         System.out.println("greensAdyar is created");
9     }
10    private void greensTambaram() {
11        System.out.println("greensTambaram IS CREATED");
12    }
13    private void greensVelacherry() {
14        System.out.println("greensVelacherry is creted");
15    }
16    private void greensAnnanagar() {
17        System.out.println("greensAnnanagar is created");
18    }
19
20    public static void main(String[] args) {
21        GreensTech c =new GreensTech();
22        c.greensOmr();
23        c.greensAdyar();
24        c.greensTambaram();
25        c.greensVelacherry();
26        c.greensAnnanagar();
27    }
28
29 }
30 }
```

**Console View:**

Employee (5) [Java Application] C:\Users\empid is created  
empName is created  
empDob is created  
empPhone is created  
empEmail is created  
empEmail is created  
empAddress is created

GreensTech [Java Appl] greensOmr is created  
greensAdyar is created  
greensTambaram IS CREATED  
greensVelacherry is creted  
greensAnnanagar is created

The screenshot shows the Eclipse IDE interface with three main panes: Package Explorer, Editor, and Console.

**Package Explorer:** Shows various Java projects and files, including AbstractionMethod, CollegeInformation5, CompanyDetails (with JRE System Library [jre] and src), CoreJavaPractice, DayList, Inheritance, JavaProjectOne, LanguageDetails1, Polymorphism, SeleniumDailyPractice, and SeleniumJan09. The CompanyInfo.java file is selected.

**Editor:** Displays the content of CompanyInfo.java:

```
1 package org.company;
2
3 public class CompanyInfo {
4     private void companyName() {
5         System.out.println("companyName is TCS");
6     }
7     private void companyId() {
8         System.out.println("companyId is 289");
9     }
10    private void companyAddress() {
11        System.out.println("company address is chennai");
12    }
13 }
14
15 public static void main(String[] args) {
16     CompanyInfo c = new CompanyInfo();
17     c.companyName();
18     c.companyId();
19     c.companyAddress();
20 }
21 }
```

**Console:** Shows the output of the CompanyInfo.java run:

```
<terminated> CompanyInfo (1) [Java]
companyName is TCS
companyId is 289
company address is chennai
```

The screenshot shows the Eclipse IDE interface with three main panes: Package Explorer, Editor, and Console.

**Package Explorer:** Shows various Java projects and files, including AbstractionMethod, CollegeInformation5, CoreJavaPractice, DayList, Inheritance, JavaProjectOne, LanguageDetails1, MyPhone (with JRE System Library [jre] and src), org.phone, Polymorphism, SeleniumDailyPractice, and SeleniumJan09. The PhoneInfo.java file is selected.

**Editor:** Displays the content of PhoneInfo.java:

```
1 package org.phone;
2
3 public class PhoneInfo {
4     private void phoneName() {
5         System.out.println("phoneName is REDMINOTE10");
6     }
7
8     private void phoneMeiNum() {
9         System.out.println("phoneMeiNum I IS 8319829189");
10    }
11    private void camera() {
12        System.out.println("PHONE CAMERA IS 15MEGAPIXEL");
13    }
14    private void storage() {
15        System.out.println("PHONE STORAGE IS 6GB RAM--128GB INTERNAL MEMORY");
16    }
17    private void osName() {
18        System.out.println("osName is Android");
19    }
20
21    public static void main(String[] args) {
22        PhoneInfo c = new PhoneInfo();
23        c.phoneName();
24        c.phoneMeiNum();
25        c.camera();
26        c.storage();
27        c.osName();
28    }
29 }
```

**Console:** Shows the output of the PhoneInfo.java run:

```
<terminated> PhoneInfo [Java Application] C:\Users\naveen\p2\pc
phoneName is REDMINOTE10
phoneMeiNum I IS 8319829189
PHONE CAMERA IS 15MEGAPIXEL
PHONE STORAGE IS 6GB RAM--128GB INTERNAL MEMORY
osName is Android
```

eclipse-workspace - LanguageDetails/src/org/lang/StateDetails.java - Eclipse IDE

```

1 package org.lang;
2 public class StateDetails {
3     private void southindia() {
4         // TODO Auto-generated method stub
5         System.out.println("southindia");
6     }
7     private void northindia() {
8         // TODO Auto-generated method stub
9         System.out.println("northindia");
10    }
11    public static void main(String[] args) {
12        StateDetails c = new StateDetails();
13        c.southindia();
14        c.northindia();
15        LanguageInfo d = new LanguageInfo();
16        d.tamilLanguage();
17        d.englishLanguage();
18        d.hindiLanguage();
19    }
20}
21

```

eclipse-workspace - LanguageDetails/src/org/lang/LanguageInfo.java - Eclipse IDE

```

<terminated> StateDetails [Java Application] C:\Users\navee\p2\pool\plugins\org.eclipse.jst.openjdk.hotspot.jre.full.win32.x86_64_17.0.1.v20211116-1657\jre\southindia
northindia
tamillanguage
englishlanguage
hindilanguage

```

eclipse-workspace - LanguageDetails/src/org/lang/StateDetails.java - Eclipse IDE

```

1 package org.lang;
2
3 public class StateDetails {
4     public void tamillanguage() {
5         // TODO Auto-generated method stub
6         System.out.println("tamillanguage");
7     }
8     public void englishLanguage() {
9         // TODO Auto-generated method stub
10        System.out.println("englishlanguage");
11    }
12    public void hindiLanguage() {
13        // TODO Auto-generated method stub
14        System.out.println("hindilanguage");
15    }
16    public static void main(String[] args) {
17        LanguageInfo d = new LanguageInfo();
18        d.tamillanguage();
19        d.englishLanguage();
20        d.hindiLanguage();
21    }
22}
23

```

eclipse-workspace - LanguageDetails/src/org/lang/LanguageInfo.java - Eclipse IDE

```

<terminated> StateDetails [Java Application] C:\Users\navee\p2\pool\plugins\org.eclipse.jst.openjdk.hotspot.jre.full.win32.x86_64_17.0.1.v20211116-1657\jre\southindia
northindia
tamillanguage
englishlanguage
hindilanguage

```

## QUESTION 6:

-----  
Project :EmployeeInformation  
Package :org.emp  
Class :Employee  
Methods :empName()

```
Package :org.company
Class :Company
Methods :companyName()

Package :org.client
Class :Client
Methods :clientName()

Package :org.project
Class :Project
Methods :projectName()
```

**Description:**

Create an object for all 4 classes inside the Employee class and call all classes methods also follow the all coding standards.

**QUESTION 7:**

---

```
Project :PhoneDetails
Package :org.phone
Class :ExternalStorage
Methods :size()

Class :InternalStorage
Methods :processorName(),ramSize()
```

**Description:**

Create an object for ExternalStorage and InternalStorage inside the InternalStorage class and call both classes methods also follow the all coding standards.

**QUESTION 8:**

---

```
Project :CollegeInformation
Package :org.college
Class :College
Methods :collegeName(),collegeCode(),collegeRank()

Class :Student
Methods :studentName(),studentDept(),studentId()

Class :Hostel
Methods :hostelName()

Class :Dept
Methods :deptName()
```

**Description:**

Create an object for all 4 classes inside the College class and call all classes methods also follow the all coding standards.

eclipse-workspace - EmployeeInformation/src/org/company/Company.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

Package Explorer    LanguageInfo... StateDetail... module-info... Employee.java Company.java

DayOneJava DayOneJava1 DayOneJava12 DayTwoJava EmployeeInformation JRE System Library [JavaSE-17] src org.client Client.java org.company Company.java org.emp Employee.java org.project Project.java module-info.java LanguageDetails JRE System Library [JavaSE-17] src org.lang LanguageInfo.java StateDetails.java module-info.java OneDayJava

```
1 package org.company;
2
3 public class Company {
4     public void companyName() {
5         // TODO Auto-generated method stub
6         System.out.println("companyName");
7     }
8 }
9
```

eclipse-workspace - EmployeeInformation/src/org/project/Project.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

Package Explorer    LanguageInfo... StateDetail... module-info... Employee.java Company.java Client.java Project.java

DayOneJava DayOneJava1 DayOneJava12 DayTwoJava EmployeeInformation JRE System Library [JavaSE-17] src org.client Client.java org.company Company.java org.emp Employee.java org.project Project.java module-info.java LanguageDetails JRE System Library [JavaSE-17] src org.lang LanguageInfo.java StateDetails.java module-info.java OneDayJava

```
1 package org.project;
2
3 public class Project {
4     public void projectName() {
5         // TODO Auto-generated method stub
6         System.out.println("projectName");
7     }
8 }
9
```

Problems Javadoc Declaration Console

<terminated> Employee (1) [Java Application] C:\Users\navee\p2\pool\plugins\org.eclipse.jdt.openjdk.hotspot.jre.full.win32.x86\_64\_17.0.1.v20211116-empName companyName clientName projectName

Writable Smart Insert 9 : 1 : 156

eclipse-workspace - EmployeeInformation/src/org/emp/Employee.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

Package Explorer

- DayOneJava
- DayOneJava1
- DayOneJava12
- DayTwoJava
- EmployeeInformation
- JRE System Library [JavaSE-17]
- src
  - org.client
    - Client.java
  - org.company
    - Company.java
  - org.emp
    - Employee.java
  - org.project
    - Project.java
  - module-info.java
- LanguageDetails
- JRE System Library [JavaSE-17]
- src
  - org.lang
    - LanguageInfo.java
    - StateDetails.java
    - module-info.java
- OneDayJava

LanguageInfo.java

```
1 package org.emp;
2 import org.company.Company;
3 import org.client.Client;
4 import org.project.Project;
5 public class Employee {
6     private void empName() {
7         // TODO Auto-generated method stub
8         System.out.println("empName");
9     }
10    public static void main(String[] args) {
11        Employee e = new Employee();
12        e.empName();
13        Company c = new Company();
14        c.companyName();
15        Client d = new Client();
16        d.clientName();
17        Project f = new Project();
18        f.projectName();
19    }
20 }
21 }
```

Console

```
<terminated> Employee (1) [Java Application] C:\Users\navee\p2\pool\plugins\org.eclipse.jdt.openjdk.hotspot.jre.full.win32.x86_64_17.0.1.v20211116-1657\jre\bin
empName
companyName
clientName
projectName
```

eclipse-workspace - EmployeeInformation/src/org/client/Client.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

Package Explorer

- DayOneJava
- DayOneJava1
- DayOneJava12
- DayTwoJava
- EmployeeInformation
- JRE System Library [JavaSE-17]
- src
  - org.client
    - Client.java
  - org.company
    - Company.java
  - org.emp
    - Employee.java
  - org.project
    - Project.java
  - module-info.java
- LanguageDetails
- JRE System Library [JavaSE-17]
- src
  - org.lang
    - LanguageInfo.java
    - StateDetails.java
    - module-info.java
- OneDayJava

Client.java

```
1 package org.client;
2
3 public class Client {
4     public void clientName() {
5         // TODO Auto-generated method stub
6         System.out.println("clientName");
7     }
8 }
```

Console

```
<terminated> Employee (1) [Java Application] C:\Users\navee\p2\pool\plugins\org.eclipse.jdt.openjdk.hotspot.jre.full.win32.x86_64_17.0.1.v20211116-1657\jre\bin\javaw.exe (22)
empName
companyName
clientName
projectName
```

The screenshot shows the Eclipse IDE interface with the following details:

- Java Editor:** The main window displays the code for `InternalStorage.java`. The code prints "processorName" and "ram size" to the console.
- Console View:** Below the editor, the `Console` tab is active, showing the output:

```
<terminated> InternalStorage [Java Application] C:\Users\navee\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.1.v20211116-1657\processorName
ram size
size
```
- Bottom Status Bar:** Shows the status bar with the text "Writable", "Smart Insert", and "20 · 1 · 455".

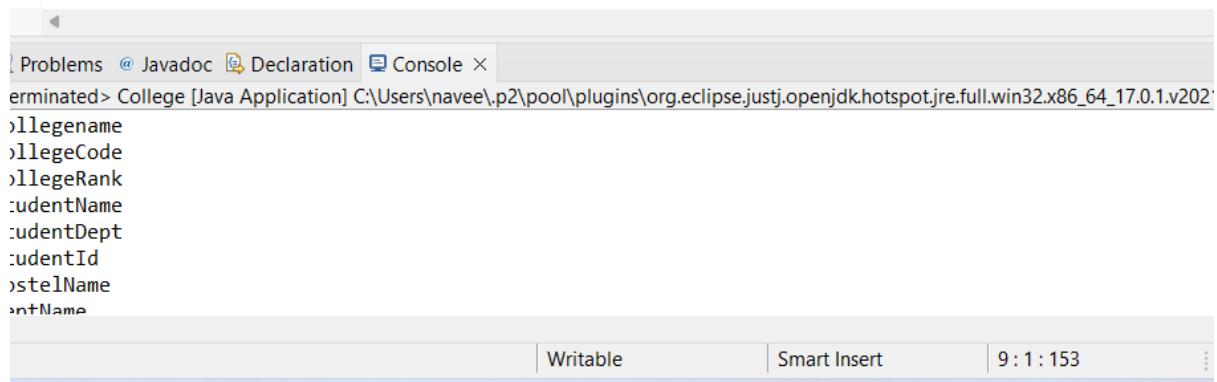
The screenshot shows the Eclipse IDE interface with the following details:

**Top Bar:** Shows tabs for LanguageInfo..., StateDetail..., module-info..., Project.java, module-info..., ExternalSto..., InternalSto..., and a file named "16".

**Editor Area:** Displays the code for `ExternalStorage.java`:1 package org.phone;
2
3 public class ExternalStorage {
4 public void size() {
5 // TODO Auto-generated method stub
6 System.out.println("size");
7 }
8 public static void main(String[] args) {
9 ExternalStorage c=new ExternalStorage();
10 c.size();
11 }
12 }
13

**Console Area:** Shows the output of the application:<terminated> InternalStorage [Java Application] C:\Users\navee\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86\_64\_17.0.1.v20211116-1657
processorName
ram size
size

```
1 package org.college;
2
3 public class Hostel {
4@ 4 public void hostelName() {
5     // TODO Auto-generated method stub
6 System.out.println("HostelName");
7 }
8 }
9
```



```
1 package org.college;
2
3 public class Student {
4     public void studentName() {
5         // TODO Auto-generated method stub
6         System.out.println("studentName");
7     }
8     public void studentDept() {
9         // TODO Auto-generated method stub
10        System.out.println("StudentDept");
11    }
12    public void studentId() {
13        // TODO Auto-generated method stub
14        System.out.println("StudentId");
15    }
16 }
17 }
```

```
Problems @ Javadoc Declaration Console ×
<terminated> College [Java Application] C:\Users\navee\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.1.v20211
collegeName
collegeCode
collegeRank
studentName
StudentDept
StudentId
HostelName
deptName
```

The screenshot shows the Eclipse IDE interface with three code editors and their respective Javadoc and declaration views.

**Top Editor:**

```

1 package org.college;
2
3 public class College {
4     private void collegeName() {
5         // TODO Auto-generated method stub
6         System.out.println("collegeName");
7     }
8     private void collegeCode() {
9         // TODO Auto-generated method stub
10        System.out.println("collegeCode");
11    }
12    private void collegeRank() {
13        // TODO Auto-generated method stub
14        System.out.println("collegeRank");
15    }
16    public static void main(String[] args) {
17        College c=new College();
18        c.collegeName();
19        c.collegeCode();
20        c.collegeRank();
21        Student d =new Student();
22        d.studentName();
23        d.studentDept();
24        d.studentId();
25        Hostel f = new Hostel();
26        f.hostelName();
27        Department g =new Department();
28        g.deptName();
29    }
30 }
31

```

**Javadoc View (Top Right):**

- org.college
- College
  - collegeName(): void
  - collegeCode(): void
  - collegeRank(): void
  - main(String[]): void

**Bottom Editor:**

```

1 package org.college;
2
3 public class Department {
4     public void deptName() {
5         // TODO Auto-generated method stub
6         System.out.println("deptName");
7     }
8 }
9

```

**Javadoc View (Bottom Right):**

- org.college
- Department
- deptName(): void

**Common Problems View:**

- terminated> College [Java Application] C:\Users\navee\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86\_64\_17.0.1.v20211116-1657\jre\bin\javaw.exe (22-Dec-2021, 4:41:46 pm - 4:41:46 pm)
- collegeName
- collegeCode
- collegeRank
- studentName
- StudentDept
- StudentId
- hostelName
- deptName

QUESTION 9:

```
-----  
Project      :VehicleInformation  
Package      :org.allvehicle  
Class        :Vehicle  
Methods       :VehicleNecessery()  
  
Package      :org.twowheeler  
Class        :TwoWheller  
Methods       :bike(),cycle()  
  
Package      :org.threewheeler  
Class        :ThreeWheeler  
Methods       :Auto()  
  
Package      :org.fourwheeler  
Class        :FourWheeler  
Methods       :car(),bus(),lorry()
```

**Description:**

Create an object for all 4 classes inside the Vehicle class and call all classes methods also follow the all coding standards.

The screenshot shows the Eclipse IDE interface with the following details:

- Editor Area:** Displays the Java code for the `FourWheeler` class. The code includes three methods: `car()`, `bus()`, and `lorry()`, each printing a specific vehicle type to `System.out`.
- Console Area:** Shows the output of the code execution. The output is:

```
vehicelNecessary
bike
cycle
tyre
car
bus
lorry
```

The screenshot shows a Java application running in the Eclipse IDE. The code editor displays a file named `ThreeWheeler.java` with the following content:

```
1 package org.threewheeler;
2
3 public class ThreeWheeler {
4     public void tyre() {
5         // TODO Auto-generated method stub
6         System.out.println("tyre");
7     }
8 }
```

The console tab is active, showing the output of the application's execution:

```
vehicelNecessary
bike
cycle
tyre
car
bus
lorry
```

```
1 package org.twowheeler;
2
3 public class TwoWheeler {
4@ 4@ public void bike() {
5     // TODO Auto-generated method stub
6 System.out.println("bike");
7 }
8@ public void cycle() {
9     // TODO Auto-generated method stub
10 System.out.println("cycle");
11 }
12 }
13
```

```
Problems @ Javadoc Declaration Console X
<terminated> Vehicle [Java Application] C:\Users\navee\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.1.v20211116-1657\jre\bin\vehicleNecessary
bike
cycle
tyre
car
bus
lorry
```

```

1 package org.allvehicle;
2 import org.allvehicle.Vehicle;
3 import org.twowheeler.TwoWheeler;
4 import org.threewheeler.ThreeWheeler;
5 import org.fourwheeler.FourWheeler;
6 public class Vehicle {
7     private void vehicleNecessary() {
8         // TODO Auto-generated method stub
9         System.out.println("vehicleNecessary");
10    }
11    public static void main(String[] args) {
12        Vehicle c = new Vehicle();
13        c.vehicleNecessary();
14        TwoWheeler d=new TwoWheeler();
15        d.bike();
16        d.cycle();
17        ThreeWheeler f = new ThreeWheeler();
18        f.tyre();
19        FourWheeler e= new FourWheeler();
20        e.car();
21        e.bus();
22        e.lorry();
23    }
24 }
25 }
26

```

Console Output:

```

terminated> Vehicle [Java Application] C:\Users\navee\p2\pool\plugins\org.eclipse.jdt.openjdk.hotspot.jre.full.win32.x86_64_17.0.1.v20211116-1657\jre\bin\javaw.exe (22-D)
vehicleNecessary
bike
cycle
tyre
car
bus
lorry

```

QUESTION 9:

```

-----
Project :VehicleInformation
Package :org.allvehicle
Class   :Vehicle
Methods :VehicleNecessery()

Package :org.twowheeler
Class   :TwoWheeler
Methods :bike(),cycle()

Package :org.threewheeler
Class   :ThreeWheeler
Methods :Auto()

Package :org.fourwheeler
Class   :FourWheeler
Methods :car(),bus(),lorry()

```

Description:  
Create an object for all 4 classes inside the Vehicle class and call all classes methods also follow the all coding standards.

QUESTION 10:

```

-----
Project :TransportInformation
Package :org.transport
Class   :Transport
Methods :TransportForm

Package :org.road
Class   :Road
Methods :bike(),cycle(),bus(),car()

Package :org.air
Class   :Air
Methods :aeroPlane(),heliCopter()

```

Package :org.water  
Class :Water  
Methods :boat(), ship()

**Description:**

Create an object for all 4 classes inside the Transport class and call all classes methods also follow the all coding standards.

```
1 package org.air;
2
3 public class Air {
4     // TODO Auto-generated method stub
5     System.out.println("aeroplane");
6 }
7
8 public void helicopter() {
9     // TODO Auto-generated method stub
10 System.out.println("helicopter");
11 }
12 }
13 |
```

Problems @ Javadoc Declaration Console ×  
<terminated> Transport [Java Application] C:\Users\navee\p2\pool\plugins\org.eclipse.jdt.openjdk.hotspot.jre.full.win32.x86\_64\_17.0.1.v20211116-1657\jre\bin  
bus  
car  
aeroplane  
helicopter  
boat  
ship

Writable Smart Insert 13 : 1 : 247 :

**Top Panel (org.road package):**

```

1 package org.road;
2
3 public class Road {
4     // TODO Auto-generated method stub
5     System.out.println("bike");
6 }
7
8     public void cycle() {
9         // TODO Auto-generated method stub
10    System.out.println("cycle");
11 }
12
13     public void car() {
14         // TODO Auto-generated method stub
15    System.out.println("car");
16 }
17
18     public void bus() {
19         // TODO Auto-generated method stub
20    System.out.println("bus");
21 }

```

**Bottom Panel (org.water package):**

```

1 package org.water;
2
3 public class Water {
4     public void boat() {
5         // TODO Auto-generated method stub
6     System.out.println("boat");
7 }
8
9     public void ship() {
10        // TODO Auto-generated method stub
11    System.out.println("ship");
12 }
13

```

**Console Output:**

```

bus
car
aeroplane
helicopter
boat
ship

```

QUESTION 11:

```
-----  
Project      :NetworkInformation  
Package      :org.network  
Class        :Wifi  
Methods      :wifiName()  
  
Class        :MobileData  
Methods      :dataName()  
  
Class        :Lan  
Methods      :lanName()  
  
Class        :Wireless  
Methods      :modamName()
```

Description:

Create an object for all 4 classes inside the Wifi class and call all classes methods also follow the all coding standards.

```
1 package org.network;
2
3 public class Lan {
4     public void lanName() {
5         // TODO Auto-generated method stub
6         System.out.println("lanName");
7     }
8 }
9 |
```

Problems Javadoc Declaration Console ×  
<terminated> Wifi [Java Application] C:\Users\navee\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86\_64\_17.0.1.v20211116-1657\jre\bin\javaw.exe  
wifiName  
dataName  
lanName  
modamName

```
1 package org.network;
2
3 public class Wifi {
4     private void wifiName() {
5         // TODO Auto-generated method stub
6         System.out.println("wifiName");
7     }
8     public static void main(String[] args) {
9         Wifi c = new Wifi();
10        c.wifiName();
11        MobileData d = new MobileData();
12        d.dataName();
13        Lan f = new Lan();
14        f.lanName();
15        Wireless g = new Wireless();
16        g.modamName();
17    }
18 }
19 |
```

Problems Javadoc Declaration Console ×  
<terminated> Wifi [Java Application] C:\Users\navee\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86\_64\_17.0.1.v20211116-1657\jre\bin\javaw.exe  
wifiName  
dataName  
lanName  
modamName

```
1 package org.network;
2
3 public class MobileData {
4     public void dataName() {
5         // TODO Auto-generated method stub
6         System.out.println("dataName");
7     }
8 }
9
```

Problems Javadoc Declaration Console ×  
<terminated> Wifi [Java Application] C:\Users\navee\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86\_64\_17.0.1.v20211116-1657\jre\bin\javaw.exe  
wifiName  
dataName  
lanName  
modamName

```
1 package org.network;
2
3 public class Wireless {
4     public void modamName() {
5         // TODO Auto-generated method stub
6         System.out.println("modamName");
7     }
8 }
9
```

Problems Javadoc Declaration Console ×  
<terminated> Wifi [Java Application] C:\Users\navee\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86\_64\_17.0.1.v20211116-1657\jre\bin\javaw.exe  
wifiName  
dataName  
lanName  
modamName



## CORE JAVA DAY—2 TASK

### QUESTION 1:

Description: Using Scanner class get the below details  
empId  
empName  
empEmail  
empPhoneno  
empSalary  
empGender  
empCity

The screenshot shows an IDE interface with two panes. On the left, the code for `ScannerClass.java` is displayed:

```
1 package org.wipro;
2
3 import java.util.Scanner;
4
5 public class ScannerClass {
6     public static void main(String[] args) {
7         Scanner o = new Scanner(System.in);
8         System.out.println("emp id is:");
9         int id = o.nextInt();
10        System.out.println("emp name is:");
11        String name=o.next();
12        System.out.println("empEmail is");
13        String mail=o.next();
14        System.out.println("empPhoneno is:");
15        long phone =o.nextLong();
16        System.out.println("empSalary is:");
17        int salary =o.nextInt();
18        System.out.println("empGender is:");
19        String gender=o.next();
20        System.out.println("empCity is:");
21        String city=o.next();
22
23
24
25    }
26 }
```

The right pane shows the console output:

```
<terminated> ScannerClass [Java Application]
emp id is:
1
emp name is:
NAVEEN
empEmail is
naveen.jan9@gmail.com
empPhoneno is:
8344350473
empSalary is:
56000
empGender is:
male
empCity is:
chennai
```

### QUESTION 2:

Description: Using Scanner class get the below details

studentId  
studentName  
Mark1  
Mark2  
Mark3  
Mark4  
Mark5

:Find the total and average of marks

The screenshot shows an IDE interface with two tabs: 'ScannerClass.java' and 'Console'. The code in 'ScannerClass.java' is as follows:

```
1 package org.wipro;
2
3 import java.util.Scanner;
4
5 public class ScannerClass {
6     public static void main(String[] args) {
7         Scanner o = new Scanner(System.in);
8         System.out.println(" studentId is:");
9         int id = o.nextInt();
10        System.out.println("studentName is:");
11        String name=o.next();
12        System.out.println(" Mark1 is:");
13        int m1 =o.nextInt();
14        System.out.println(" Mark2 is:");
15        int m2 =o.nextInt();
16        System.out.println(" Mark3 is:");
17        int m3 =o.nextInt();
18        System.out.println(" Mark4 is:");
19        int m4 =o.nextInt();
20        System.out.println(" Mark5 is:");
21        int m5 =o.nextInt();
22        float total;
23        float average;
24        total = m1+m2+m3+m4+m5;
25        average = (float)(total / 5.0);
26        System.out.println("the total is "+total);
27        System.out.println("the average is"+average);
28    }
29 }
30 }
```

The 'Console' tab shows the output of running the program:

```
<terminated> ScannerClass [Java]
studentId is:
1
studentName is:
NAVEEN
Mark1 is:
98
Mark2 is:
90
Mark3 is:
67
Mark4 is:
45
Mark5 is:
67
the total is 367.0
the average is73.4
```

QUESTION 3:

```
-----
package name: org.all
Project name: LanguageDetails
Class name   : Languageclass
Methods      : alllanguage

package name: org.tamil
Project name: LanguageDetails
Class name   : Tamil
Methods      : tamillanguage

package name: org.english
Project name: LanguageDetails
Class name   : English
Methods      : englishlanguage

package name: org.telgu
Project name: LanguageDetails
Class name   : Telgu
Methods      : telgulanguage
```

Description:

create above 4 packages and call all your class methods into the Languageclass using multilevel inheritance.

```

languageclass.java:
1 package org.all;
2 import org.tamil.Tamil;
3 public class Languageclass extends Tamil {
4     public void alllanguage() {
5         System.out.println("all language class tamil,english,telgu");
6     }
7 }
8 public static void main(String[] args) {
9     Languageclass c = new Languageclass();
10    c.alllanguage();
11    c.tamillanguage();
12    c.englishlanguage();
13    c.telgulanguage();
14 }
15 }

Tamil.java:
1 package org.tamil;
2 import org.english.English;
3 public class Tamil extends English {
4     public void tamillanguage() {
5         System.out.println("tamillanguage");
6     }
7 }
8 }
9 }
10

```

```

English.java:
1 package org.english;
2 import org.telgu.telgu;
3 public class English extends Telgu {
4     public void englishlanguage() {
5         System.out.println("englishlanguage");
6     }
7 }
8 }

Telugu.java:
1 package org.telgu;
2
3 public class Telgu {
4     public void telgulanguage() {
5         System.out.println("telgulanguage");
6     }
7 }
8 }
9 }

Console:
<terminated> Languageclass [Java Application] C:\Users\nav
all language class tamil,english,telgu
tamillanguage
englishlanguage
telgulanguage

```

#### QUESTION 4:

```

-----
package name: org.india
Project name: SouthIndia
Class name   : India
Methods      : india

package name: org.tamilnadu
Project name: SouthIndia
Class name   : TamiladuN
Methods      : tamillanguage

package name: org.kerala
Project name: SouthIndia
Class name   : kerala
Methods      : malayalam

package name: org.andrapradesh
Project name: SouthIndia
Class name   : AndhraPradesh
Methods      : telugu

```

Description:

create above 4 packages and call all your class methods into the India using multilevel inheritance.

```

Project Explorer
AbstractionMethod
CoreJavaPractice
DayList
Inheritance
JavaProjectOne
LanguageDetails1
Polymorphism
SeleniumDailyPractice
SeleniumJan09
SouthIndia5
JRE System Library [jre]
src
  org.andrapradesh
    AndhraPradesh.java
  org.india
    India.java
  org.kerala
    Kerala.java
  org.tamilnadu
    Tamilnadu.java

India.java
package org.india;
import org.tamilnadu.Tamilnadu;
public class India extends Tamilnadu {
    public void India() {
        System.out.println("all india states of india");
    }
    public static void main(String[] args) {
        India c = new India();
        c.India();
        c.tamillanguage();
        c.malayalam();
        c.telugu();
    }
}

Tamilnadu.java
package org.tamilnadu;
import org.kerala.Kerala;
public class Tamilnadu extends Kerala {
    public void tamillanguage() {
        System.out.println("tamillanguage");
    }
}

Kerala.java
package org.kerala;
import org.andrapradesh.AndhraPradesh;
public class Kerala extends AndhraPradesh {
    public void malayalam() {
        System.out.println("malayalam");
    }
}

AndhraPradesh.java
package org.andrapradesh;
public class AndhraPradesh {
    public void telugu() {
        System.out.println("telugu");
    }
}

```

#### QUESTION 5:

Project	:CollegeInformation
Package	:org.college
Class	:College
Methods	:collegeName(), collegeCode(), collegeRank()
Class	:Student
Methods	:studentName(), studentDept(), studentId()
Class	:Hostel
Methods	:HostelName()
Class	:dept
Methods	:deptName()

#### Description:

create above 4 class and call all your class methods into the Student using multilevel inheritance.

```

Student.java
1 package org.college;
2
3 public class Student extends College {
4     public void studentName() {
5         System.out.println("NAVEEN");
6     }
7     public void studentDept() {
8         System.out.println("MECHANICAL ENGINEERING");
9     }
10    public void studentId() {
11        System.out.println("98989889");
12    }
13    public static void main(String[] args) {
14        Student c = new Student();
15        c.studentName();
16        c.studentId();
17        c.studentDept();
18        c.hostelName();
19        c.deptName();
20    }
}

Collegejava.java
1 package org.college;
2
3 public class College extends Hostel {
4     public void collegeName() {
5         System.out.println("SRM UNIVERSITY -CHENNAI");
6     }
7     public void collegeCode() {
8         System.out.println("2108006");
9     }
10    public void collegeRank() {
11        System.out.println("1");
12    }
13
14 }

dept.java
1 package org.college;
2
3 public class dept {
4     public void deptName() {
5         System.out.println("mech engg");
6     }
7
8 }

HostelJava.java
1 package org.college;
2
3 public class Hostel extends dept {
4     public void hostelName() {
5         System.out.println("kctc boys hostel");
6     }
7
8 }

```

Console output:

```

<terminated> Student (1) [Java Application] C:\Users\ naveen\p
NAVEEN
98989889
MECHANICAL ENGINEERING
kctc boys hostel
mech engg
2108006
SRM UNIVERSITY -CHENNAI
1

```

#### QUESTION 6:

```

-----
Project      : Computer
Class        : Computer
Methods      : computerModel()

Class        : Desktop
Methods      : desktopSize()

```

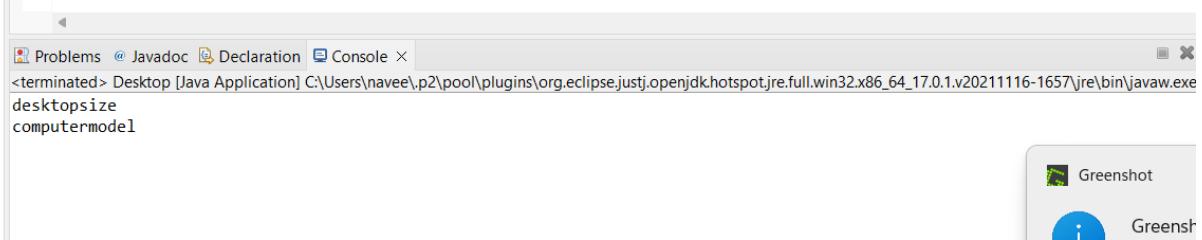
#### Description:

create above 2 class and call all your class methods into the Desktop using single inheritance.

```
1 package org.computer;
2
3 public class Desktop extends Computer {
4     public void deskTopSize() {
5         // TODO Auto-generated method stub
6         System.out.println("desktopsize");
7     }
8     public static void main(String[] args) {
9         Desktop c = new Desktop();
10        c.deskTopSize();
11        c.computerModel1();
12    }
13}
14
```

Problems Javadoc Declaration Console <terminated> Desktop [Java Application] C:\Users\navee\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86\_64\_17  
desktopsize  
computermodel

```
1 package org.computer;
2
3 public class Computer {
4     public void computerModel1() {
5         // TODO Auto-generated method stub
6         System.out.println("computermodel");
7     }
8 }
9
```



**QUESTION 6:**

```
-----
Project      :Computer
Class        :Computer
Methods      :computerModel()

Class        :Desktop
Methods      :desktopSize()
```

Description:



create above 2 class and call all your class methods into the Desktop using single inheritance.

**QUESTION 7:**

```
-----
Project      :LanguageDetails
Package      :org.lang
Class        :LanguageInfo
Methods      :tamilLanguage(),englishLanguage(),hindiLanguage()

Class        :StateDetails
Methods      :southIndia(),northIndia()
```

Description:

create above 2 class and call all your class methods into the LanguageInfo using single inheritance.

```

LanguageInfo.java
1 package org.lang;
2
3 public class LanguageInfo extends StateDetails {
4     private void tamillanguage() {
5         System.out.println("tamil language");
6     }
7     private void englishlanguage() {
8         System.out.println("english language");
9     }
10    private void hindilanguage() {
11        System.out.println("hindi language");
12    }
13
14    public static void main(String[] args) {
15        LanguageInfo c = new LanguageInfo();
16        c.tamillanguage();
17        c.englishlanguage();
18        c.hindilanguage();
19        c.southIndia();
20        c.northIndia();
21    }
22}
23
24

StateDetails.java
1 package org.lang;
2
3 public class StateDetails {
4     public void southIndia() {
5         System.out.println("southIndia --- madurai");
6     }
7     public void northIndia() {
8         System.out.println("northIndia --- delhi");
9     }
10}
11
12

Console
<terminated> LanguageInfo (Java Application) C:\Users\navee\p2\pool\plugins\org.eclipse.jdt.core\openjdk.hotspot.jre.full.win32.x86_64_17.0.1.v20211116-1657\jre\bin\javaw.exe (21-Jan-2022)
tamil language
english language
hindi language
southIndia
southIndia --- madurai
northIndia
northIndia --- delhi

```

#### QUESTION 9:

Project	:BankDetails
Package	:org.bank
Class	:BankInfo
Methods	:saving(), fixed()
 Class	:AxisBank
Methods	:deposit()

#### Description:

create above 2 class and call all your class methods into the BankInfo using single inheritan

```

BankInfo.java
1 package org.bank;
2
3 public class BankInfo extends AxisBank {
4     private void saving() {
5         System.out.println("saving bank account");
6     }
7     private void fixed() {
8         System.out.println("fixed bank account");
9     }
10
11    public static void main(String[] args) {
12        BankInfo c = new BankInfo();
13        c.saving();
14        c.fixed();
15        c.deposit();
16    }
17}
18

AxisBank.java
1 package org.bank;
2
3 public class AxisBank {
4     public void deposit() {
5         System.out.println("deposit amount is ---10000");
6     }
7
8}
9

Console
<terminated> BankInfo [Java Application] C:\Users\navee\p2\pool\plugins\org.eclipse.jdt.core\openjdk.hotspot.jre.full.win32.x86_64_17.0.1.v20211116-1657\jre\bin\javaw.exe (21-Jan-2022, 4:00:00 AM)
saving bank account
fixed bank account
deposit amount is ---10000

```

#### QUESTION 10:

Project	:CompanyDetails
Package	:org.company
Class	:Company
Methods	:companyName()
 Package	:org.client
Class	:Client
Methods	:clientName()

#### Description:

create above 2 packages and call all your class methods into the Comapany using single inheritance.

The screenshot shows the Eclipse IDE interface with the following components:

- Package Explorer:** Shows several Java projects and source files under the "src" directory of the "CompanyDetails" project.
- Editor Area:** Two code editors are visible:
  - Company.java:** Contains the following code:

```
1 package org.company;
2 import org.client.Client;
3 public class Company extends Client {
4     private void companyName() {
5         System.out.println("verizon info tech india");
6     }
7     public static void main(String[] args) {
8         Company c = new Company();
9         c.companyName();
10        c.clientName();
11    }
12 }
```
  - Client.java:** Contains the following code:

```
1 package org.client;
2
3 public class Client {
4     public void clientName() {
5         System.out.println("sathyamootrh");
6     }
7 }
```
- Console:** Displays the output of the executed code:

```
<terminated> Company (7) Java Application C:\verizon info tech india sathyamootrh
```

#### QUESTION 11:

-----

Project	:EducationInformation
Package	:org.edu
Class	:Education
Methods	:ug(),pg()
Class	:Arts
Methods	:bsc(),bEd(),bA(),bBA()
Class	:Engineering
Methods	:bE(),bTech()
Class	:Medicine
Methods	:physiyo(),dental(),mbbs()

#### Description:

create above 4 class and call all your class methods into the Education using multilevel inheritance.

**Top Left Window (Arts.java):**

```

1 package org.edu;
2
3 public class Arts extends Engineering{
4     public void bSc() {
5         System.out.println("bachelor of science");
6     }
7     public void bEd() {
8         System.out.println("bachelor of education");
9     }
10    public void bA() {
11        System.out.println("bachelor of arts");
12    }
13    public void bBa() {
14        System.out.println("bachelor of business administration");
15    }
16 }
17
18

```

**Top Right Window (Education.java):**

```

1 package org.edu;
2
3 public class Education extends Arts {
4     private void ug() {
5         System.out.println("under graduate");
6     }
7     private void pg() {
8         System.out.println("post graduate");
9     }
10    public static void main(String[] args) {
11        Education c = new Education();
12        c.ug();
13        c.pg();
14        c.bA();
15        c.bBa();
16        c.bSc();
17        c.bBa();
18        c.bf();
19        c.bTech();
20        c.dental();
21        c.mbb();
22        c.physio();
23    }
24
25
26
27

```

**Middle Left Window (Medicine.java):**

```

1 package org.edu;
2
3 public class Medicine {
4     public void physio() {
5         System.out.println("physiotherapy");
6     }
7     public void dental() {
8         System.out.println("dental");
9     }
10    public void mbbs() {
11        System.out.println("bachelor of medicine");
12    }
13 }
14
15
16

```

**Middle Right Window (Engineering.java):**

```

1 package org.edu;
2
3 public class Engineering extends Medicine {
4     public void bE() {
5         System.out.println("bachelor of engineering");
6     }
7     public void bTech() {
8         System.out.println("bachelor of technology");
9     }
10
11
12

```

**Bottom Center Window (Console):**

```

<terminated> Education (1) [Java Application] C:\Users\navee\p2\pool\plugins\org.eclipse.jdt.openjdk.
under graduate
post graduate
bachelor of arts
bachelor of business administration
bachelor of sciences
bachelor of business administration
bachelor of engineering
bachelor of technology
dental
bachelor of medicine bachelor of surgiene
physiotherapy

```

## DAY 3 –JAVA TASK

### QUESTION 2:

```
-----  
Project      :EmployeeDetails  
Package      :org.emp  
Class        :Employee  
Methods       :empId()
```

#### Description

You have to overload the method empId() based on different datatype in arguments.

The screenshot shows the Eclipse IDE interface. On the left, the 'Console' view displays the output of the Java application, which includes several lines of text representing the output of different method calls. On the right, the 'JavaPracticeTask.java' file is open in the editor, showing the source code with four overloaded methods for the 'empId' function.

```
<terminated> JavaPracticeTask [Java Application] C:\Users\navee\p2\pool\plugins\org.eclipse.justj.openj9  
NAVEEN  
84928498  
723|  
M  
56.77  
chennai 600049  
600034 trichy  
  
JavaPracticeTask.java  
1 package org.com;  
2  
3 public class JavaPracticeTask {  
4     private void empId(String name) {  
5         System.out.println(name);  
6     }  
7     private void empId(int i) {  
8         System.out.println(i);  
9     }  
10    private void empId(int i,char c,float f) {  
11        System.out.println(i + "\n" +c);  
12        System.out.println(f);  
13    }  
14    private void empId(String City,int Pincode) {  
15        System.out.println(City + "\t" +Pincode);  
16    }  
17    private void empId(int Pincode,String City) {  
18        System.out.println(Pincode + "\t" +City);  
19    }  
20    public static void main(String[] args) {  
21        JavaPracticeTask e= new JavaPracticeTask();  
22        e.empId("NAVEEN");  
23        e.empId(84928498);  
24        e.empId(723,'M',56.77F);  
25        e.empId("chennai",600049);  
26        e.empId(600034,"trichy");  
27    }  
28 }  
29 }
```

### QUESTION 3:

```
-----  
Project      :CompanyDetails  
Package      :org.company  
Class        :CompanyInfo  
Methods       :companyName()
```

#### Description

You have to overload the method companyName() based on different Number of arguments.

The screenshot shows an IDE interface with two windows. On the left is the code editor for `CompanyInfo.java`, which contains Java code for printing company names and details. On the right is the `Console` window showing the execution output.

```

1 package org.company;
2
3 public class CompanyInfo {
4
5
6    private void companyName(int g, String k) {
7        System.out.println(g + "\n" + k);
8    }
9    private void CompanyName(int i) {
10        System.out.println(i);
11    }
12    private void CompanyName(int i, String s) {
13        System.out.println(i + "\t" + s);
14    }
15    private void CompanyName(String j, int o) {
16        System.out.println(j + "\t" + o);
17    }
18    public static void main(String[] args) {
19        CompanyInfo r = new CompanyInfo();
20        r.CompanyName(1, "cts");
21        r.CompanyName(7877979);
22        r.CompanyName(16, "east street,karappak,navalur,chenai");
23        r.CompanyName("NAVEEN", 676768);
24    }
25 }
26

```

`<terminated> CompanyInfo [Java Application] C:\Users\nav`

```

1 cts
7877979
16 east street,karappak,navalur,chenai
NAVEEN 676768

```

#### QUESTION 4:

-----  
 Project :MyPhone  
 Package :org.phone  
 Class :Phone  
 Methods :phoneInfo()

#### Description

You have to overload the method `phoneInfo()` based on different datatype order in arguments.

The screenshot shows an IDE interface with two windows. On the left is the code editor for `Phone.java`, which contains Java code for overloading the `phoneInfo()` method. On the right is the `Console` window showing the execution output.

```

1 package org.phone;
2
3 public class Phone {
4    private void phoneInfo(String s) {
5        System.out.println(s);
6    }
7    private void phoneInfo(int i) {
8        System.out.println(i);
9    }
10   private void phoneInfo(int i, char c) {
11       System.out.println(i + "\t" + c);
12   }
13   private void phoneInfo(String s, int pincode) {
14       System.out.println(s + "\t" + pincode);
15   }
16   public static void main(String[] args) {
17       Phone c = new Phone();
18       c.phoneInfo("REDMI NOTE TEN");
19       c.phoneInfo(1);
20       c.phoneInfo(1, 'R');
21       c.phoneInfo("chennai", 600019);
22   }
23 }
24

```

`<terminated> Phone`

```

REDMI NOTE TEN
1
1 R
chennai 600019

```

#### QUESTION 5:

-----  
 Project :GreensAddress

```
Package :org.add
Class :GreensTech
Methods :greensOmr()
```

Description

You have to overload the method greensOmr() based on order,type,number.

The screenshot shows an IDE interface with two tabs: 'GreensTech.java' and 'Console'. The code in 'GreensTech.java' is as follows:

```
1 package org.add;
2
3 public class GreensTech {
4     private void greensOmr(String name) {
5         System.out.println(name);
6     }
7     private void greensOmr(int i) {
8         System.out.println(i);
9     }
10    private void greensOmr(int i, String C) {
11        System.out.println(i+"\n"+C);
12    }
13    private void greensOmr(String s, int pincode) {
14        System.out.println(s+"\t"+pincode);
15    }
16    public static void main(String[] args) {
17        GreensTech t = new GreensTech();
18        t.greensOmr("GREENS TECHNOLOGY");
19        t.greensOmr(1); // Line 19 highlighted in blue
20        t.greensOmr(1, "selenium");
21        t.greensOmr("chennai", 600049);
22    }
23 }
```

The 'Console' tab shows the output of the program:

```
<terminated> GreensTech
GREENS TECHNOLOGY
1
1
selenium
chennai 600049
```

QUESTION 6:

```
-----
Project :BankDetails
Package :org.bank
Class :BankInfo
Methods :saving(),fixed(),deposit()

Class :AxisBank
Methods :deposit()
```

Description:

You have to override the method deposit in AxisBank.

The screenshot shows the Eclipse IDE interface with three main panes:

- Top Left:** A code editor titled "AxisBank.java" containing the following Java code:

```
1 package org.bank;
2
3 public class AxisBank extends BankInfo {
4     private void deposit() {
5         System.out.println("100");
6     }
7 }
8 public static void main(String[] args) {
9     AxisBank c = new AxisBank();
10    c.deposit();
11 }
12 }
13 }
```

- Bottom Left:** A code editor titled "Console" showing the output of the application:

```
<terminated> AxisBank (1) [Java Application] C:\Users\navee\p2\pool\plugins\org.eclipse.justj.openjdk.h
100
```

- Right:** Another code editor titled "BankInfo.java" containing the following Java code:

```
1 package org.bank;
2
3 public class BankInfo {
4     private void saving() {
5         System.out.println("5.54");
6     }
7     private void fixed() {
8         System.out.println("8.99");
9     }
10 }
11 private void deposit() {
12     System.out.println("100");
13 }
14 }
15 }
16 }
```

#### QUESTION 7:

-----

Project	:EducationInformation
Package	:org.edu
Class	:Education
Methods	:ug(), pg()

Class	:Arts
Methods	:bSc(), bEd(), bA(), bBA(), ug(), pg()

#### Description:

You have to override the method ug(), pg() in Arts.

```
Education.java
1 package org.edu;
2
3 public class Education {
4     private void ug() {
5         System.out.println("under graduate");
6     }
7     private void pg() {
8         System.out.println("post graduate");
9     }
10 }
11 }
12 
```

```
Arts.java
1 package org.edu;
2
3 public class Arts extends Education {
4     private void bSc() {
5         System.out.println("bachelor of science");
6     }
7     private void bEd() {
8         System.out.println("bachelor of education");
9     }
10    private void bA() {
11        System.out.println("bachelor of science");
12    }
13    private void bBa() {
14        System.out.println("bachelor of business admino");
15    }
16    public void ug() {
17        System.out.println("under graduate");
18    }
19    private void pg() {
20        System.out.println("post graduate");
21    }
22 }
23 public static void main(String[] args) {
24     Arts c = new Arts();
25     c.ug();
26     c.pg();
```

```
Console
<terminated> Arts (1) [Java Application] C:\Users\navee\p2\pool\plugins\org.eclipse.jdt.openjdk.hotspot.jre.full.win32.x86_64_17.0.1.v20211116-1657\jre\bin\javaw.exe (20-Jan-2022,
under graduate
post graduate
```

QUESTION 8:

```
-----  
Project      :UniversityInformation  
Package      :org.univ  
Class        :University  
Methods      :ug(),pg()  
  
Class        :College  
Methods      :ug(),pg()
```

Description:

ug(),pg() is just a template in University class and You have to override the method ug(),pg() in College class.

```
Education.java
1 package org.univ;
2
3 public class Education {
4     private void ug() {
5         System.out.println("UNDER GRADUATE");
6     }
7 }
8 private void pg() {
9     System.out.println("POST GRADUATE");
10}
11
12}
13
```

```
College.java
1 package org.univ;
2
3 public class College extends Education {
4     private void ug() {
5         System.out.println("UNDER GRADUATE");
6     }
7     private void pg() {
8         System.out.println("post graduate");
9     }
10    public static void main(String[] args) {
11
12
13        College c = new College();
14        c.ug();
15        c.pg();
16    }
17 }
```

```
Console
<terminated> College
UNDER GRADUATE
post graduate
```

QUESTION 9:

-----  
Project :BikeInformation  
Package :org.bike  
Interface :Bike  
Methods :cost(),speed()

Class :Ktm  
Methods :cost(),speed()

Description:

cost(),speed() is just a template in Bike Interface and You have to override the method cost(),speed() in Ktm class.

The screenshot shows the Eclipse IDE interface with the following components:

- Project Explorer:** Shows a Java project named "AbstractionMethod" containing packages like JRE System Library [jre], org.bike, and src.
- Ktm.java:** A class that implements the Bike interface. It has methods cost() and speed().
- Bike.java:** An interface with methods cost() and speed().
- Console:** Displays the output of the program: <terminated>, 560000, 50kmph.

```

Ktm.java
1 package org.bike;
2
3 public class Ktm implements Bike {
4     @Override
5     public void cost() {
6         System.out.println("560000");
7     }
8
9     @Override
10    public void speed() {
11        System.out.println("50kmph");
12    }
13}
14public static void main(String[] args) {
15    Ktm z = new Ktm();
16    z.cost();
17    z.speed();
18}
19}

Bike.java
1 package org.bike;
2
3 public interface Bike {
4     void cost();
5     void speed();
6
7 }
8

```

#### QUESTION 10:

```

Project      :Computer
Interface    :HardWare
Methods      :hardwareResources()

Interface   :Software
Methods      :softwareResources()

Class       :Desktop
Methods      :desktopModel()

```

#### Description:

create 2 Interface and achieve multiple inheritance.

The screenshot shows the Eclipse IDE interface with the following components:

- Project Explorer:** Shows a Java project named "AbstractionMethod" containing packages like JRE System Library [jre], Computer, src, and others.
- Software.java:** An interface named Software with a method softwareResources().
- Desktop.java:** A class named Desktop that implements both Hardware and Software interfaces. It overrides the softwareResources() method and calls the hardwareResources() method.
- Hardware.java:** An interface named Hardware with a method hardwareResources().
- Console:** Displays the output of the program: hardware resource laptop, windows 10, dell insipirion 3501.

```

Software.java
1
2 public interface Software {
3     void softwareResources();
4 }
5

Desktop.java
1
2 public class Desktop implements Hardware,Software {
3     private void desktopModel1() {
4         System.out.println("dell insipirion 3501");
5     }
6
7     @Override
8     public void softwareResources() {
9         System.out.println("windows 10");
10    }
11 }
12 }

Hardware.java
1
2 public interface Hardware {
3     void hardwareResources();
4 }
5
6
7
8
9
10

Console
<terminated> Desktop (2) [Java Application] C:\Users\naveen\p2\pool\plugins\org.eclipse.jdt.openjdkhr
hardware resource laptop
windows 10
dell insipirion 3501

```

## DAY4-

Day4\_ControlStatements

DAY4:

-----

1.if/else if  
2.Loopings(for,while,do-while)  
3.Switch case  
4.break/continue  
QUESTIONS(Find the output)

-----  
QUESTION 1:

-----

package org.test;

```
public class Hello {  
    public static void main(String[] args) {  
        for (int i = 1; i <= 100; i++) {  
            if (i == 5) {  
  
            }  
            System.out.println(i);  
  
        }  
    }  
}
```

QUESTION 2:

-----

package org.test;

```
public class Hello {  
    public static void main(String[] args) {  
        for (int i = 1; i <= 10; i++) {  
            if (i == 5) {  
                break;  
            }  
            System.out.println(i);  
  
        }  
    }  
}
```

QUESTION 3:

-----

package org.test;

```
public class Hello {  
    public static void main(String[] args) {  
        for (int i = 1; i <= 10; i++) {  
            if (i == 5) {  
                continue;  
            }  
            System.out.println(i);  
        }  
    }  
}
```

```
    }
}

}

QUESTION 4:
```

```
-----
package org.test;

public class Hello {
    public static void main(String[] args) {
        for (int i = 1; i <= 3; i++) {
            for (int j = 1; j <= 3; j++) {
                System.out.println(j);
            }
        }
    }
}
```

```
QUESTION 5:
```

```
-----
package org.test;

public class Hello {
    public static void main(String[] args) {
        for (int i = 1; i <= 3; i++) {
            for (int j = 1; j <= 3; j++) {
                System.out.println(i);
            }
        }
    }
}
```

```
QUESTION 6:
```

```
-----
package org.test;

public class Hello {
    public static void main(String[] args) {
        for (int i = 1; i <= 3; i++) {
            for (int j = 1; j <= i; j++) {
                System.out.println(j);
            }
        }
    }
}
```

```
QUESTION 7:
```

```
-----
package org.test;
```

```
public class Hello {  
    public static void main(String[] args) {  
        for (int i = 1; i <= 3; i++) {  
            for (int j = i + 1; j <= 3; j++) {  
                System.out.println(j);  
            }  
        }  
    }  
}
```

QUESTION 8:

```
-----  
package org.test;  
  
public class Hello {  
    public static void main(String[] args) {  
        for (int i = 1; i <= 3; i++) {  
            for (int j = i + 1; j <= i; j++) {  
                System.out.println(j);  
            }  
        }  
    }  
}
```

QUESTION 9:

```
-----  
package org.test;  
  
public class Hello {  
    public static void main(String[] args) {  
        int i=5;  
        if (i == 5) {  
            break;  
        }  
        System.out.println(i);  
    }  
}
```

QUESTION 10:

```
-----  
package org.test;  
  
public class Hello {  
    public static void main(String[] args) {  
        int i=5;  
        if (i == 5) {  
            continue;  
        }  
        System.out.println(i);  
    }  
}
```



0.1  
62  
63  
64  
65  
66  
67  
68  
69  
70  
71  
72  
73  
74  
75  
76  
77  
78  
79  
80  
81  
82  
83  
84  
85  
86  
87  
88  
89  
90  
91  
92  
93  
94  
95  
96  
97  
98  
99  
100

The screenshot shows the Eclipse IDE interface with two identical Java files, `Hello.java`, open in separate editors. Both files are located in the package `org.test`. The code in both files is as follows:

```
1 package org.test;
2
3 public class Hello {
4     public static void main(String[] args) {
5         for (int i = 1; i <= 100; i++) {
6             if (i == 5) {
7                 System.out.println(i);
8             }
9         }
10    }
11 }
12
13 }
```

The Project Explorer view on the left shows several Java projects and source files. The Console view at the bottom shows the output of the application, which prints the numbers from 1 to 100, with the number 5 printed in blue.

**Project Explorer**

- AbstractionMethod
- Collegelnformation5
- Constructor
- DayList
- Encapsulation
- FileHandling
- Inheritance
- JavaProjectOne
- JavatPoint
  - JRE System Library [jre]
  - src
    - org.test
      - Hello.java
- LanguageDetails1
- Polymorphism
- RemoteSystemsTempFiles
- SeleniumDailyPractice
- SeleniumJan09

**Console**

```
<terminated> Hello (2) [Java Application] C:\Users\navee\p2\pool\plugins\org.eclipse.jdt.openjdkhotspot.jre.ful
Exception in thread "main" java.lang.Error: Unresolved compilation problem:
break cannot be used outside of a loop or a switch
at org.test.Hello.main(Hello.java:7)
```

**Hello.java**

```
1 package org.test;
2
3 public class Hello {
4     public static void main(String[] args) {
5         int i=5;
6         if (i == 5) {
7             break;
8         }
9         System.out.println(i);
10    }
11 }
12 }
```

**Project Explorer**

- AbstractionMethod
- Collegelnformation5
- Constructor
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- Inheritance
- JavaProjectOne
- JavatPoint
  - JRE System Library [jre]
  - src
    - org.test
      - Hello.java
- LanguageDetails1
- Polymorphism
- RemoteSystemsTempFiles
- SeleniumDailyPractice
- SeleniumJan09

**Console**

```
<terminated> Hello (2) [Java Application] C:\Users\navee\p2\pool\pli
1
2
3
```

**Hello.java**

```
1 package org.test;
2
3 public class Hello {
4     public static void main(String[] args) {
5         for (int i = 1; i <= 3; i++) {
6             for (int j = i + 1; j <= i; j++) {
7                 System.out.println(j);
8             }
9         }
10    }
11 }
12 }
```

**Project Explorer**

- AbstractionMethod
- Collegelnformation5
- Constructor
- DayList
- Encapsulation
- FileHandling
- Inheritance
- JavaProjectOne
- JavatPoint
  - JRE System Library [jre]
  - src
    - org.test
      - Hello.java
- LanguageDetails1
- Polymorphism
- RemoteSystemsTempFiles
- SeleniumDailyPractice
- SeleniumJan09

**Console**

```
<terminated> Hello (2) [Java Application] C:\Users\navee\p2\pool\pli
1
2
3
```

**Hello.java**

```
1 package org.test;
2
3 public class Hello {
4     public static void main(String[] args) {
5         for (int i = 1; i <= 3; i++) {
6             for (int j = i + 1; j <= 3; j++) {
7                 System.out.println(j);
8             }
9         }
10    }
11 }
12 }
```

**Project Explorer**

- AbstractionMethod
- Collegelnformation5
- Constructor
- DayList
- Encapsulation
- FileHandling
- Inheritance
- JavaProjectOne
- JavatPoint
  - JRE System Library [jre]
  - src
    - org.test
      - Hello.java
- LanguageDetails1
- Polymorphism
- RemoteSystemsTempFiles
- SeleniumDailyPractice
- SeleniumJan09

**Console**

```
<terminated> Hello (2) [Java Application] C:\Users\navee\p2\pool\pli
1
1
2
1
2
3
```

**Hello.java**

```
1 package org.test;
2
3 public class Hello {
4     public static void main(String[] args) {
5         for (int i = 1; i <= 3; i++) {
6             for (int j = 1; j <= i; j++) {
7                 System.out.println(j);
8             }
9         }
10    }
11 }
12 }
```

The image displays three separate Java code editors, each showing a different section of the same or similar Java program. The code is as follows:

```
1 package org.test;
2
3 public class Hello {
4     public static void main(String[] args) {
5         for (int i = 1; i <= 3; i++) {
6             for (int j = 1; j <= 3; j++) {
7                 System.out.println(i);
8             }
9         }
10    }
11 }
12
13
14 }
```

The first editor shows lines 1 through 14. The second editor shows lines 1 through 14. The third editor shows lines 1 through 15. In the third editor, the cursor is positioned at the end of line 14, indicated by a blue vertical bar.

The screenshot shows two instances of the Eclipse IDE interface. In both instances, the Project Explorer view lists several Java projects and files. The Hello.java file is selected in both the Project Explorer and the Editor view.

**Top Instance:**

- Project Explorer:** Shows JavaProjectOne, JRE System Library [jre], and org.test.
- Console:** Displays the output of the Java application: "Hello (2) [Java Application] C:\Users\navee\p2\pool\plugins\org.eclipse.jst.j.openjdk.hotspot.jre.full". The output shows the numbers 1 through 4.
- Hello.java:** The code is as follows:
 

```

1 package org.test;
2
3 public class Hello {
4     public static void main(String[] args) {
5         for (int i = 1; i <= 10; i++) {
6             if (i == 5) {
7                 break;
8             }
9             System.out.println(i);
10        }
11    }
12 }
13 }
14 }
```

**Bottom Instance:**

- Project Explorer:** Shows JavaProjectOne, JRE System Library [jre], and org.test.
- Console:** Displays the output of the Java application: "Hello (2) [Java Application] C:\Users\navee\p2\pool\plugins\org.eclipse.jst.j.openjdk.hotspot.jre.full". The output shows the error message: "Exception in thread "main" java.lang.Error: Unresolved compilation problem: continue cannot be used outside of a loop".
- Hello.java:** The code is as follows:
 

```

1 package org.test;
2
3 public class Hello {
4
5     public static void main(String[] args) {
6         int i=5;
7         if (i == 5) {
8             continue;
9         }
10        System.out.println(i);
11    }
12 }
13 }
```

## QUESTIONS (Programs)

---

### QUESTION 1:

---

Description: Write Java program to allow the user to input his/her age.  
 Then the program will show if the person is eligible to vote.  
 A person who is eligible to vote must be older than or equal 18 years old.

Example:

---

Input = 10

Output = print not eligible.

The screenshot shows the Eclipse IDE interface. On the left is the Project Explorer view, listing various Java projects and files. In the center is the Hello.java editor window, displaying Java code. On the right is the Console view, showing the program's output.

**Project Explorer:**

- AbstractionMethod
- CollegelInformation5
- Constructor
- DayList
- Encapsulation
- FileHandling
- Inheritance
- JavaProjectOne
- JavatPoint
  - JRE System Library [jre]
  - src
    - org.test
      - Hello.java
- LanguageDetails1
- Polymorphism
- RemoteSystemsTempFiles
- SeleniumDailyPractice
- SeleniumJan09

**Hello.java Editor:**

```
1 package org.test;
2 import java.util.*;
3 public class Hello {
4
5     public static void main(String args[])
6     {
7         int age;
8         Scanner sc=new Scanner(System.in);
9         System.out.print("input");
10        age=sc.nextInt();
11        if(age>=18)
12            System.out.println("You are eligible to vote.");
13        else
14            System.out.println("You are not eligible to vote.");
15    }
16
17
18 }
```

**Console Output:**

```
<terminated> Hello (2) [Java Application] C:\Users\navee\.p2\pool\plugins\org.eclipse.jdt.core\src\org\test\Hello.java
input
10
You are not eligible to vote.
```

QUESTION 2:

-----  
Description: Write a program to find even or odd number

Example:

-----  
Input = 10  
Output = Even

The screenshot shows the Eclipse IDE interface. The Project Explorer view on the left lists various Java projects and files. The Hello.java file in the JavaProjectOne project is open in the editor. The code prints a message to the console, reads a number from the user, and then checks if it is even or odd, printing the result. The Console view at the bottom shows the output of running the program with the input '10', which outputs '10 is even'.

```

1 package org.test;
2 import java.util.Scanner;
3 public class Hello {
4
5     public static void main(String[] args) {
6
7         Scanner reader = new Scanner(System.in);
8
9         System.out.print("Enter a number: ");
10        int num = reader.nextInt();
11
12        if(num % 2 == 0)
13            System.out.println(num + " is even");
14        else
15            System.out.println(num + " is odd");
16    }
17 }

```

### QUESTION 3:

Description: Write a program to print even number from 1 to 100

Example:

Output = 2, 4, ..., 100

The screenshot shows the Eclipse IDE interface. The Project Explorer view on the left lists various Java projects and files. The Hello.java file in the JavaProjectOne project is open in the editor. The code prints a message to the console, initializes a variable 'number' to 100, and then uses a for loop to iterate from 1 to 100, printing even numbers. The Console view at the bottom shows the output of running the program, which lists even numbers from 1 to 100.

```

1 package org.test;
2 import java.util.Scanner;
3 public class Hello {
4
5     public static void main(String args[]) {
6
7         int number=100;
8         System.out.print("List of even numbers from 1 to "+number+": ");
9         for (int i=1; i<=number; i++)
10        {
11             if ((i%2==0)
12             {
13                 System.out.print(i + " ");
14             }
15         }
16     }
17 }

```

### QUESTION 4:

Description: Find the sum of odd number 1 to 100

Example:

Output = 2500

The screenshot shows the Eclipse IDE interface. The Project Explorer view on the left lists various Java projects and files. The Hello.java file under the JavatPoint project is selected and displayed in the editor. The code calculates the sum of odd numbers from 1 to 100 and prints the result. The Console view at the bottom shows the output: "The Sum Of 100 Odd Numbers are:2500".

```

1 package org.test;
2 import java.util.Scanner;
3 public class Hello {
4     public static void main(String args[])
5     {
6         int sum = 0;
7         for (int i = 1; i <= 100; i++)
8         {
9             if (i % 2 != 0)
10             {
11                 sum = sum + i;
12             }
13         }
14         System.out.println("The Sum Of 100 Odd Numbers are:" + sum);
15     }
16 }

```

<terminated> Hello (2) [Java Application] C:\Users\navee\p2\pool\plugins\org.eclipse.justj.openjd
The Sum Of 100 Odd Numbers are:2500

#### QUESTION 5:

Description: Count of even number 1 to 100

Example:

Output = 50

The screenshot shows the Eclipse IDE interface. The Project Explorer view on the left lists various Java projects and files. The Hello.java file under the JavatPoint project is selected and displayed in the editor. The code calculates the sum of even numbers from 1 to 100 and prints the result. The Console view at the bottom shows the output: "The Sum Of 100 Even Numbers are:2550".

```

1 package org.test;
2 import java.util.Scanner;
3 public class Hello {
4     public static void main(String args[])
5     {
6         int sum = 0;
7         for (int i = 1; i <= 100; i++)
8         {
9             if (i % 2 == 0)
10             {
11                 sum = sum + i;
12             }
13         }
14         System.out.println("The Sum Of 100 Even Numbers are:" + sum);
15     }
16 }

```

<terminated> Hello (2) [Java Application] C:\Users\navee\p2\pool\plugins\org.eclipse.justj.openjd
The Sum Of 100 Even Numbers are:2550

#### QUESTION 6:

Description: Write a program to find the factorial of a number.

Example:

-----

Input = 5  
Output = 120

The screenshot shows the Eclipse IDE interface. On the left is the Project Explorer view, which lists several Java projects and source files. In the center is the Editor view displaying the code for `Hello.java`. The code calculates the factorial of a number using a for loop. On the right is the Console view, which shows the output of running the program with the input 5, resulting in the output "Factorial of 5 is: 120".

```
1 package org.test;
2 import java.util.Scanner;
3 public class Hello {
4     public static void main(String args[]){
5         int i,fact=1;
6         int number=5;//It is the number to calculate factorial
7         for(i=1;i<=number;i++){
8             fact=fact*i;
9         }
10        System.out.println("Factorial of "+number+" is: "+fact);
11    }
12 }
```

```
<terminated> Hello (2) [Java Application] C:\Users\navee\p2\pool\plugins\org.eclipse.justj.openjcw
Factorial of 5 is: 120
```

QUESTION 7:

-----

Description: Write a program to print the fibonacci series of a number 1 to 100.

Example:

-----

Output = 0,1,1,2,3,5.....

The screenshot shows the Eclipse IDE interface. On the left is the Project Explorer view. In the center is the Editor view displaying the code for `Hello.java`, which prints the Fibonacci series from 0 to 100. On the right is the Console view, which shows the output of the program, starting with "Fibonacci Series:" followed by the sequence of numbers from 0 to 100.

```
1 package org.test;
2 import java.util.Scanner;
3 public class Hello {
4     public static void main(String[] args)
5     {
6         int n, a = 0, b = 0, c = 1;
7         System.out.print("Fibonacci Series:");
8         for(int i = 1; i <= 100; i++)
9         {
10             a = b;
11             b = c;
12             c = a + b;
13             System.out.print(a+" ");
14         }
15     }
16 }
```

```
<terminated> Hello (2) [Java Application] C:\Users\navee\p2\pool\plugins\org.eclipse.justj.openjcw
Fibonacci Series:0 1 1 2 3 5 8 13 21 34 55 89 144 233 377 610 987 1597 2584 4181 6765 10946 17711 28657 46368 75825 121393 196418 317811 514229 832040 1346269 2178309 352457
```

QUESTION 8:

-----

Description: Find prime number or not.

Example:

```

-----
Input = 11
Output = prime number
-----
```

The screenshot shows the Eclipse IDE interface. On the left is the 'Project Explorer' view, which lists various Java projects and files. In the center is the 'Hello.java' editor window, displaying the following Java code:

```

1 package org.test;
2 import java.util.Scanner;
3 public class Hello {
4     public static void main(String args[])
5     {
6         int temp;
7         boolean isPrime=true;
8         Scanner scan= new Scanner(System.in);
9         System.out.println("Enter any number:");
10        int num=scan.nextInt();
11        scan.close();
12        for(int i=2;i<=num/2;i++)
13        {
14            temp=num%i;
15            if(temp==0)
16            {
17                isPrime=false;
18                break;
19            }
20        }
21        if(isPrime)
22            System.out.println(num + " is a Prime Number");
23        else
24            System.out.println(num + " is not a Prime Number");
25    }
26}
```

On the right is the 'Console' tab, which displays the terminal output for the program. It shows the command `java Hello` being run, followed by the prompt `Enter any number:`, the input `87`, and the output `87 is not a Prime Number`.

#### QUESTION 9:

Description : Print the below patterns using for loop.

Output:

```

-----
1
1 2
1 2 3
1 2 3 4
1 2 3 4 5
1 2 3 4 5 6
1 2 3 4 5 6 7
-----
```

```

*
 *
 * *
 *
 * * *
 *
 * * * *
 *
 * * * * *
```

\*  
\* \*  
\* \* \*  
\* \* \* \*  
\* \* \* \* \*  
-----

The screenshot shows a Java code editor and a terminal window. The code editor displays a file named 'Test.java' with the following content:

```
1 package org.test;
2
3
4 public class Test {
5     public static void main(String[] args)
6     {
7
8         for (int i = 1; i <= 7; i++)
9         {
10            for (int j = 1; j <= i; j++)
11            {
12                System.out.print(j+" ");
13            }
14
15            System.out.println();
16        }
17    }
18 }
```

The terminal window, titled 'Console', shows the output of the program:

```
<terminated> Test()
1
1 2
1 2 3
1 2 3 4
1 2 3 4 5
1 2 3 4 5 6
1 2 3 4 5 6 7
```

The screenshot shows a Java code editor with a file named 'Test.java'. The code prints a diamond shape to the console. The output in the 'Console' tab shows the pattern correctly. The code uses nested loops to print asterisks (\*) in a diamond pattern.

```
1 package org.test;
2
3
4 public class Test {
5     public static void main(String[] args)
6     {
7
8         int rows = 5;
9
10        for (int i = 1; i <= rows; ++i) {
11            for (int j = 1; j <= i; ++j) {
12                System.out.print("* ");
13            }
14            System.out.println();
15        }
16    }
17 }
```

The screenshot shows an IDE interface with two main panes. The left pane displays the Java code for `Test.java`, which prints a right-angled triangle pattern to the console. The right pane shows the terminal window where the program has been run, displaying the printed pattern.

```
1 package org.test;
2
3
4 public class Test {
5     public static void main(String[] args) {
6         for (int i = 0; i < 5; i++) {
7             for (int j = 0; j < 5 - i; j++)
8             {
9                 System.out.print(" ");
10            }
11            for (int k = 0; k <= i; k++)
12            {
13                System.out.print("* ");
14            }
15            System.out.println();
16        }
17    }
18 }
```

<terminated> Test  
\*  
\* \*  
\* \* \*  
\* \* \* \*  
\* \* \* \* \*

QUESTION 10:

Description: Find Amstrong number or not

Example:

Input = 153

Output = Amstrong number

The screenshot shows the Eclipse IDE interface. On the left is the Project Explorer view, listing various Java projects and files under the 'JavaProjectOne' project. In the center is the editor view showing a Java file named 'Hello.java'. The code implements a program to check if the number 153 is an Armstrong number. On the right is the Console view, which displays the output of running the program.

```
1 package org.test;
2 import java.util.Scanner;
3 public class Hello {
4     public static void main(String[] args) {
5         int num = 153, number, temp, total = 0;
6         number = num;
7         while (number != 0)
8         {
9             temp = number % 10;
10            total = total + temp*temp*temp;
11            number /= 10;
12        }
13
14        if(total == num)
15            System.out.println(num + " is an Armstrong number");
16        else
17            System.out.println(num + " is not an Armstrong number");
18    }
19 }
20 }
```

<terminated> Hello (2) [Java Application] C:\Users\navee\p2\pool\plugins\org.eclipse.justj.openjdk.ho  
153 is an Armstrong number

QUESTION 11:

Description: Reverse the number

Example:

Input = 123

Output = 321

The screenshot shows the Eclipse IDE interface with the Project Explorer and Java Editor tabs open.

**Project Explorer:**

- AbstractionMethod
- Collegelinformation5
- Constructor
- DayList
- Encapsulation
- FileHandling
- Inheritance
- JavaProjectOne
- JavatPoint
  - JRE System Library [jre]
  - src
    - org.test
    - Hello.java
- LanguageDetails1
- Polymorphism
- RemoteSystemsTempFiles
- SeleniumDailyPractice
- SeleniumJan09

**Hello.java:**

```
1 package org.test;
2 import java.util.Scanner;
3 public class Hello {
4     public static void main(String[] args)
5     {
6         int number = 123, reverse = 0;
7         while(number != 0)
8         {
9             int remainder = number % 10;
10            reverse = reverse * 10 + remainder;
11            number = number/10;
12        }
13        System.out.println("The reverse of the given number is: " + reverse);
14    }
15 }
```

**Console:**

```
<terminated> Hello (2) [Java Application] C:\Users\naveen\p2\pool\plugins\org.eclipse.jdt.openjdk.hotspot.jvm.dll
The reverse of the given number is: 321
```

**QUESTION 12:**

-----

Description: Count of the number

### Example:

-----

Input = 123

Output = 3

The screenshot shows the Eclipse IDE interface. On the left is the Project Explorer view, listing various Java projects and files. In the center is the Hello.java editor window, displaying the following Java code:

```
1 package org.test;
2 import java.util.Scanner;
3 public class Hello {
4     public static void main(String[] args) {
5         int count = 0, num = 123;
6
7         while (num != 0) {
8             // num = num/10
9             num /= 10;
10            ++count;
11        }
12
13        System.out.println("Number of digits: " + count);
14    }
15
16 }
```

On the right is the Console view, showing the output of the program's execution:

```
<terminated> Hello (2) [Java Application] C:\Users\navee\.p2\pool\plugins\org.eclipse.jdt.core\src\Hello.java:12: error: cannot find symbol
System.out.println("Number of digits: " + count);
                                     ^
symbol:   variable out
location: class Hello
1 error
```

The console also displays the output: "Number of digits: 3".

QUESTION 13:

-----

Description: Sum of the number

Example:

-----

Input = 123

Output = 6

The screenshot shows the Eclipse IDE interface. The Project Explorer view on the left lists various Java projects and files. The Hello.java file is open in the editor, displaying the following code:

```
1 package org.test;
2 import java.util.Scanner;
3 public class Hello {
4     public static void main(String args[])
5     {
6         int number, digit, sum = 0;
7         Scanner sc = new Scanner(System.in);
8         System.out.print("Enter the number: ");
9         number = sc.nextInt();
10        while(number > 0)
11        {
12            //finds the last digit of the given number
13            digit = number % 10;
14            //adds last digit to the variable sum
15            sum = sum + digit;
16            //removes the last digit from the number
17            number = number / 10;
18        }
19        //prints the result
20        System.out.println("Sum of Digits: "+sum);
21    }
22 }
```

The Console view at the bottom shows the output of the application:

```
<terminated> Hello (2) [Java Application] C:\Users\navee\p2\pool\plu
Enter the number: 123
Sum of Digits: 6
```

QUESTION 14:

Description: Verify the number is palindrome number not

Example:

-----

Input = 141

Output = Palindrome

The screenshot shows the Eclipse IDE interface with the following components:

- Project Explorer** (left): Lists various Java projects and files, including "AbstractionMethod", "CollegelInformation5", "Constructor", "DayList", "Encapsulation", "FileHandling", "Inheritance", "JavaProjectOne", "JavatPoint" (selected), "LanguageDetails1", "Polymorphism", "RemoteSystemsTempFiles", "SeleniumDailyPractice", and "SeleniumJan09".
- Hello.java** (center): The code for a Java application that checks if a number is a palindrome. It uses a while loop to extract digits from the number and compares them.

```
1 package org.test;
2 import java.util.Scanner;
3 public class Hello {
4     public static void main(String args[]){
5         int r,sum=0,temp;
6         int n=141;//It is the number variable to b
7
8         temp=n;
9         while(n>0){
10             r=n%10; //getting remainder
11             sum=(sum*10)+r;
12             n=n/10;
13         }
14         if(temp==sum)
15             System.out.println("palindrome number ");
16         else
17             System.out.println("not palindrome");
18     }
19 }
```

- Console** (bottom): Shows the output of the application running. The output text is "terminated> Hello (2) [Java Application] C:\Users\navee\p2\pool\plugins\c androme number"

QUESTIONS (Find the below Output)

-----  
QUESTION 1:  
-----

```
package org.test;

public class A {
    public A() {
        this("JAVA");
        System.out.println("Default const...");
    }

    public A(int id) {
        this(3456.5678f);
        System.out.println(id);
    }

    public A(String name) {
        this(12);
        System.out.println(name);
    }

    public A(float sal) {
        System.out.println(sal);
    }

    public static void main(String[] args) {
        A a = new A();
    }
}
```

The screenshot shows the Eclipse IDE interface. The Package Explorer view on the left lists various Java projects and files. The Java Editor view in the center contains the code for class A. The Console view on the right shows the output of the program's execution.

```
1 package org.test;
2
3 public class A {
4     public A() {
5         this("JAVA");
6         System.out.println("Default const...");
7     }
8
9     public A(int id) {
10        this(3456.5678f);
11        System.out.println(id);
12    }
13
14     public A(String name) {
15        this(12);
16        System.out.println(name);
17    }
18
19     public A(float sal) {
20        System.out.println(sal);
21    }
22
23     public static void main(String[] args) {
24        A a = new A();
25    }
26
27 }
```

<terminated> A [Java  
3456.5679  
12  
JAVA  
Default const...

QUESTION 2:  
-----

```
package org.test;

public class A extends B{
    public A() {
        System.out.println("Default const...");
    }
}
```

```

    }

    public static void main(String[] args) {
        A a = new A();
    }

}

package org.test;

public class B {
    public B() {
        System.out.println("Super class");
    }
}

```

The screenshot shows the Eclipse IDE interface with three open windows:

- Package Explorer:** Shows the project structure with several Java and XML files.
- A.java:** Contains the code for class A, which extends class B and prints "Default const..." to the console.
- B.java:** Contains the code for class B, which prints "Super class" to the console.
- Console:** Displays the output of the application, showing "Super class" and "Default const...".

### QUESTION 3:

```

-----
package org.test;

public class A extends B{
    public A() {
        System.out.println("Default const...");
    }

    public static void main(String[] args) {
        A a = new A();
    }

}

package org.test;

public class B {
    public B() {
        System.out.println("Super class");
    }
}

```

```

public B(int id) {
    System.out.println(id);
}

```



#### QUESTION 4:

```

-----
package org.test;

public class A extends B {
    public A() {
        super(12);
        System.out.println("Default const...");
    }

    public static void main(String[] args) {
        A a = new A();
    }
}

package org.test;

public class B {
    public B() {
        System.out.println("Super class");
    }

    public B(int id) {
        System.out.println(id);
    }
}

```

The screenshot shows the Eclipse IDE interface with the following components:

- Package Explorer:** Shows several Java projects: AbstractionMethod, Collegelnformations5, Constructor (selected), CoreJavaPractice, DayList, Inheritance, JavaProjectOne, LanguageDetails1, Polymorphism, SeleniumDailyPractice, and SeleniumJan09.
- A.java:** A code editor containing the following Java code:

```
1 package org.test;
2
3 public class A extends B {
4     public A() {
5         super(12);
6         System.out.println("Default const...");
7     }
8
9     public static void main(String[] args) {
10        A a = new A();
11    }
12
13 }
14 }
```
- B.java:** A code editor containing the following Java code:

```
1 package org.test;
2
3 public class B {
4     public B() {
5         System.out.println("Super class");
6     }
7
8     public B(int id) {
9         System.out.println(id);
10    }
11
12 }
```
- Console:** Displays the output of the application run, showing:

```
<terminated> A [Java Application] C:\Users\12
Default const...
```

#### QUESTION 5:

---

```
package org.test;

public class B {

    public B(int id) {
        System.out.println(id);
    }
}

package org.test;

public class A extends B {
    public A() {
        super(12);
        System.out.println("Default const...");
    }

    public static void main(String[] args) {
        A a = new A();
    }
}
```

The screenshot shows the Eclipse IDE interface. The Package Explorer view on the left lists several Java projects and files. The A.java file is open in the top editor, and the B.java file is open in the bottom editor. The Console view on the right shows the output of the main method from A.java.

```
A.java
1 package org.test;
2
3
4 public class A extends B {
5     public A() {
6         super(12);
7         System.out.println("Default const...");
8     }
9
10    public static void main(String[] args) {
11        A a = new A();
12    }
13
14 }
```

```
B.java
1 package org.test;
2
3 public class B {
4
5     public B(int id) {
6         System.out.println(id);
7     }
8
9 }
```

```
Console
<terminated> A [Java]
12
Default const..
```

#### QUESTION 6:

---

```
package org.test;

public class A extends B {
    public A() {
        System.out.println("Default const...");
    }

    public static void main(String[] args) {
        A a = new A();
    }
}

package org.test;

public class B {

    public B(int id) {
        System.out.println(id);
    }
}
```

The screenshot shows the Eclipse IDE interface with three main views:

- Package Explorer**: Shows various Java projects and files, including `AbstractionMethod`, `CollegeInformationS`, `Constructor`, `JRE System Library [jre]`, `org.test` (containing `A.java` and `B.java`), `CoreJavaPractice`, `DayList`, `Inheritance`, `JavaProjectOne`, `LanguageDetails1`, `Polymorphism`, `SeleniumDailyPractice`, and `SeleniumJan09`.
- A.java**: Displays the following code:

```
1 package org.test;
2
3 public class A extends B {
4     public A() {
5         System.out.println("Default const...");
6     }
7
8     public static void main(String[] args) {
9         A a = new A();
10    }
11
12 }
13
14
15
```
- B.java**: Displays the following code:

```
1 package org.test;
2
3 public class B {
4
5     public B(int id) {
6         System.out.println(id);
7     }
8
9 }
10
11
```
- Console**: Shows a compilation error message:

```
<terminated> A [Java Application] C:\Users\naveen\p2\pool\plugins\org.eclipse.jdt.core\open
Implicit super constructor B() is undefined. Must explicitly invoke it
at org.test.A.<init>(A.java:4)
at org.test.A.main(A.java:10)
```

QUESTION 1:

-----  
Description: Find the length of the below string  
String 1: GreensTechnology  
String 2: SeleniumAutomationtool  
String 3: velmurugan  
String 4: j a v a p r o g r a m  
String 5: 9095484678

The screenshot shows an IDE interface with two main panes. On the left is the code editor for a file named 'Hello.java'. The code is as follows:

```
1 package org.test;
2 import java.util.Scanner;
3 public class Hello {
4     public static void main(String args[]){
5         String s="GreensTechnology";
6         String s1="SeleniumAutomationtool";
7         String s2="velmurugan";
8         String s3="velmurugan";
9         String s4="9095484678";
10        int length =s.length();
11        System.out.println(length);
12        int length1 =s1.length();
13        System.out.println(length1);
14
15        int length2 =s.length();
16        System.out.println(length2);
17        int length3 =s3.length();
18        System.out.println(length3);
19
20        int length4 =s4.length();
21        System.out.println(length4);
22
23    }
24
25
26 }
```

On the right is the 'Console' pane, which displays the output of the program's execution. The output is:

```
<terminated>
16
22
16
10
10
```

QUESTION 2:

-----  
Description: Find the particular character index in the given string  
String 1: GreensTechnology  
Find the last index of o  
  
String 2: SeleniumAutomationtool  
Find the index of o  
  
String 3: Velmurugan  
Find the index of n  
  
String 4: j a v a p r o g r a m  
Find the last index of (emptyspace)  
  
String 5: 9095484678  
Find the index of 8

The screenshot shows a Java IDE interface. On the left, the code editor displays `Hello.java` with the following content:

```
1 package org.test;
2 import java.util.Scanner;
3 public class Hello {
4     public static void main(String args[]){
5         String s="GreensTechnology";
6         String s1="SeleniumAutomationtool";
7         String s2="velmurugan";
8         String s3="j a v a p r o g r a m";
9         String s4="9095484678";
10        int length =s.lastIndexOf('o');
11        System.out.println(length);
12
13        int length1 =s1.indexOf('o');
14        System.out.println(length1);
15
16        int length2 =s2.indexOf('n');
17        System.out.println(length2);
18
19        int length3 =s3.lastIndexOf(' ');
20        System.out.println(length3);
21
22        int length4 =s4.indexOf('8');
23        System.out.println(length4);
24
25    }
26
27
28 }
```

On the right, the `Console` tab shows the output of the program:

```
<terminated> 13
11
9
19
5
```

Question 3:

-----

Description: Find the particular character in the given string

String 1: GreensTechnology  
print the character h

String 2: SeleniumAutomationtool  
print the character o

String 3: velmurugan  
print the character u

String 4: j a v a p r o g r a m  
print the character p

String 5: 9095484678  
print the character 7

```
1 package org.test;
2 import java.util.Scanner;
3 public class Hello {
4     public static void main(String args[]){
5         String s="GreensTechnology";
6         String s1="SeleniumAutomationtool";
7         String s2="velmurugan";
8         String s3="j a v a p r o g r a m";
9         String s4="9095484678";
10        char charAt = s.charAt(9);
11        System.out.println(charAt);
12        char charAt2 = s1.charAt(11);
13        System.out.println(charAt2);
14        char charAt3 = s2.charAt(4);
15        System.out.println(charAt3);
16        char charAt4 = s3.charAt(8);
17        System.out.println(charAt4 );
18        char charAt5 = s4.charAt(8);
19        System.out.println(charAt5);
20
21    }
22
23 }
```

QUESTION 4:

-----

Description : Get two input from user and check the equality  
              : print in the output whether it is Equal or not

Example:

-----

Input :

String 1 : Java

String 2 : Java

Example:

-----

Input :

String 1 : Java

String 2 : java

Example:

-----

Input :

String 1 : Green Technology

String 2 : GreenTechnology.

Example(use equalsIgnoreCase) :

-----

Input :

String 1 : Java

String 2 : java

Example(use equalsIgnoreCase) :

-----

Input :

String 1 : Nisha

String 2 : nisha

The screenshot shows a Java IDE interface. On the left, the code editor displays `Hello.java` with the following content:

```
1 package org.test;
2 import java.util.Scanner;
3 public class Hello {
4     public static void main(String args[]){
5         String s="Java";
6         String s1="Java";
7         boolean equals = s.equals(s1);
8         System.out.println(equals);
9         String s2="Java";
10        String s3="java";
11        boolean equals2 = s2.equals(s3);
12        System.out.println(equals2);
13        String s4="Green Technology";
14        String s5="GreenTechnology ";
15        boolean equals3 = s4.equals(s5);
16        System.out.println(equals3);
17        String s6="Java";
18        String s7="java";
19        boolean equalsIgnoreCase = s6.equalsIgnoreCase(s7);
20        System.out.printlnequalsIgnoreCase);
21        String s8="Java";
22        String s9="java";
23        boolean equalsIgnoreCase2 = s8.equalsIgnoreCase(s9);
24        System.out.printlnequalsIgnoreCase2);
25    }
26
27 }
```

On the right, the `Console` tab shows the output of the program:

```
<terminated>
true
false
false
true
true
```

QUESTION 5:

-----

QUESTION 5.1:

-----

Description: Get the email id from the user and verify '@' is present or not?

Example:

-----

Input = velmurugank451@gmail.com

Output = valid email id

QUESTION 5.2:

-----

Description: Get the address from the user and verify "pincode" is present or not?

Example:

-----

Input = 5-35-2a,venkatesh nivas,Aruppukottai

Output = invalid address

QUESTION 5.3:

-----

Description: Get the email from the user and verify '@' is present or not and return true or false?

Example:

-----

Input = Nishakerala24@gmail.com

Output = True/False

QUESTION 5.4:

-----  
Description: Get the phonenumber from the user and verify any character is present or not .

If character is present return invalid number

Example:

-----  
Input = 90954a6o78  
Output = False

The screenshot shows an IDE interface with two panes. The left pane is titled "HelloJava.java" and contains the following Java code:

```
1 package org.test;
2
3 public class HelloJava {
4     public static void main(String[] args) {
5         String s="velmurugank451@gmail.com";
6         boolean contains = s.contains("@");
7         if(contains == true) {
8             System.out.println("valid email id");
9         }
10        String s1="5-35-2a,venkatesh nivas,Aruppukottai";
11        boolean contains2 = s1.contains("pincode");
12        if(contains2 == false) {
13            System.out.println("invalid address");
14        }
15        String s2="Nishakerala24@gmail.com";
16        boolean contains3 = s2.contains("@");
17        System.out.println(contains3);
18        String s4="90954a6o78";
19        boolean matches = s4.matches("%[a-zA-Z]%");
20        System.out.println(matches);
21    }
22 }
23
24 }
```

The right pane is titled "Console" and shows the output of the program:

```
<terminated> HelloJ
valid email id
invalid address
true
false
```

QUESTION 6:

-----  
Description: Get the phonenumber from the user .

If phonenumber exceeds greater than 10 then return invalid number

Example:

-----  
Input = 89034256972365

Output = invalid

Example 2:

-----  
Input = 9095484678

Output = valid

```
J HelloJava.java ✘
```

```
1 package org.test;
2
3 public class HelloJava {
4     public static void main(String[] args) {
5         String s="89034256972365";
6         int length = s.length();
7         if(length>10) {
8             System.out.println("invalid");
9         }
10        String s2="9095484678";
11        int length2 = s2.length();
12        if(length2 == 10) {
13            System.out.println("valid id");
14        }
15    }
16}
17
18 }
```

```
Console ✘
<terminated>
invalid
valid id
```

```
J HelloJava.java ✘
```

```
1 package org.test;
2
3 public class HelloJava {
4     public static void main(String[] args) {
5         String s="89034256972365";
6         int length = s.length();
7         if(length>10) {
8             System.out.println("invalid");
9         }
10        String s2="9095484678";
11        int length2 = s2.length();
12        if(length2 == 10) {
13            System.out.println("valid id");
14        }
15    }
16}
17
18 }
```

```
Console ✘
<terminated>
invalid
valid id
```

QUESTION 7:

-----

QUESTION 7.1:

-----

Description: Given string as "Welcome to java class" and replace java into sql.

Example:

-----

Input = Welcome to class java  
output = Welcome to class sql

QUESTION 7.2:

-----

Description: Given string as "Greens Adayar" and replace Adayar into Omr.

Example:

-----  
Input = Greens Adayar  
Output = Greens Omr

QUESTION 7.3:

-----  
Description: Given String as "Welcome to java class" and Replace space into '#'

Example:

-----  
input:Welcome to java class  
output:Welcome#to#java#class

QUESTION 7.4:

-----  
Description: Get the email from the user and verify "gmail" is present or not.

If present replace that gmail into yahoo

Example:

-----  
Input = Nishakerala24@gmail.com  
Output = Nishakerala24@yahoo.com

QUESTION 7.5:

-----  
Description: Get the address from the user and verify "pincode" is present or not.

If present replace the pincode with empty space

Example:

-----  
Input = 5-35-2a,venkatesh nivas,Aruppukottai,pincode-626101  
Output = 5-35-2a,venkatesh nivas,Aruppukottai

The screenshot shows the Eclipse IDE interface. The left pane displays the Java code for `HelloJava.java`. The right pane shows the output from the `Console` tab.

```

1 package org.test;
2
3 public class HelloJava {
4     public static void main(String[] args) {
5         String s="Welcome to java class";
6         String replace = s.replace("java", "sql");
7         System.out.println(replace);
8
9         String s1="Greens Adayar";
10        String replace2 = s1.replace("Adayar", "Omr");
11        System.out.println(replace2);
12
13        String s2="Welcome to java class";
14        String replace3 = s2.replace(" ", "#");
15        System.out.println(replace3);
16
17        String s3="Nishakerala24@gmail.com";
18        String replace4 = s3.replace("gmail", "yahoo");
19        System.out.println(replace4);
20        String s4="5-35-2a,venkatesh nivas,Aruppukottai,pincode-626101";
21        String replace5 = s4.replace("5-35-2a,venkatesh nivas,Aruppukottai,pincode-626101", "5-35-2a,venkatesh nivas,Aruppukottai");
22        System.out.println(replace5);
23    }
24
25 }
26

```

`<terminated> HelloJava [Java Application] C:\Users\navee\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.1.v20211116-1657\jre\bin\javaw.exe (27-Jan-2022, 4)`

Output:

```

Welcome to sql class
Greens Omr
Welcome#to#java#class
Nishakerala24@yahoo.com
5-35-2a,venkatesh nivas,Aruppukottai

```

QUESTION 8

-----

QUESTION 8.1

-----

Description: Get the input from the user and print that word in lowercase

Example:

-----

Input = NISHANTHI  
Output = nishanthi

QUESTION 8.2

-----

Description: Get the input from the user and print that word in Uppercase

Example:

-----

Input = nishanthi  
Output = NISHANTHI

QUESTION 8.3

-----

Description: Convert all small letter and into capital letter

Example:

-----

Input = WelcomE  
Output = wELCOMe

QUESTION 8.4

-----

Description: Find the number of uppercase count and lowercase count in the given String

Example:

-----

Input = WelComeToJava

Output:

-----

UpperCase=4

LowerCase=9

The screenshot shows the Eclipse IDE interface. The top window is titled "HelloJava.java" and contains the following Java code:

```
1 package org.test;
2
3 public class HelloJava {
4     public static void main(String[] args) {
5         String s="NISHANTHI";
6         String replace = s.toLowerCase();
7         System.out.println(replace);
8
9         String s1="nishanthi";
10        String replace2 = s1.toLowerCase();
11        System.out.println(replace2);
12
13        String s2="WelcomE";
14        String replace3 = s2.substring(0,1).toLowerCase()+s2.substring(1, 6).toUpperCase()+s2.substring(6).toLowerCase();
15        System.out.println(replace3);
16
17        String s3="WelComeToJava";
18        int upper = 0,lower=0;
19        for(int i=0;i<s3.length();i++) {
20            char ch=s3.charAt(i);
21            if(ch>='A' && ch<='Z') {
22                upper++;
23            }
24            else if(ch>='a' && ch<='z') {
25                lower++;
26            }
27        }
28        System.out.println("uppercasecount "+upper);
29        System.out.println("lowercasecount:"+lower);
30    }
31
32 }
```

The bottom window is titled "Console" and shows the terminal output:

```
<terminated> HelloJava [Java Application] C:\Users\navee\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.1.v20211116-1657\jre\bin\javaw.exe (27-)
nishanthi
nishanthi
wELCOME
uppercasecount 4
lowercasecount:9
```

QUESTION 9

-----

QUESTION 9.1

-----

Description: Given String as "Welcome to java class" and verify whether the given string startsWith welcome

Example:

-----

Input = Welcome to class java

output = True

QUESTION 9.2

-----

Description: Given String as "Hai i am nisha" and verify whether the given string startsWith welcome

Example:

```
-----  
Input = Hai i am nisha  
output = False
```

#### QUESTION 9.3

```
-----  
Description: Given String as "Welcome to java class" and verify whether the  
given string endsWith class
```

Example:

```
-----  
Input = Welcome to java class  
output = True
```

#### QUESTION 9.4

```
-----  
Description: Given String as "Welcome to java class" and verify whether the  
given string endsWith java
```

Example:

```
-----  
Input = Welcome to java class  
output = False
```

#### QUESTION 9.5

```
-----  
Description: Given String as "Welcome to java class" and verify whether the  
string is empty or not
```

Example:

```
-----  
Input = Welcome to java class  
output = False
```

#### QUESTION 9.6

```
-----  
Description: Given String as "" and verify whether the string is empty or  
not
```

Example:

```
-----  
Input = ""  
Output = False
```

The screenshot shows a Java IDE interface with two panes. The left pane displays the code for a class named HelloJava. The right pane shows the console output.

```
1 package org.test;
2
3 public class HelloJava {
4     public static void main(String[] args) {
5         String s="Welcome to class java";
6         boolean startsWith = s.startsWith("Welcome ");
7         System.out.println(startsWith);
8
9         String s1=" Hai i am nisha";
10        boolean startsWith2 = s1.startsWith("Welcome");
11        System.out.println(startsWith2);
12
13        String s2="Welcome to class java";
14        boolean endsWith = s2.endsWith("java");
15        System.out.println(endsWith);
16
17        String s3="Welcome to class java";
18        boolean endsWith2 = s3.endsWith("class");
19        System.out.println(endsWith2);
20
21        String s4="Welcome to class java";
22        boolean empty = s4.isEmpty();
23        System.out.println(empty);
24
25        String s5="";
26        boolean empty2 = s5.isEmpty();
27        System.out.println(empty2);
28
29    }
30
31 }
32 }
```

Console Output:

```
<terminated>
true
false
true
false
false
true
```

QUESTION 10

-----

Description : Get two input from user and Compare

Example

-----

```
String 1 : Nisha
String 2 : nisha
```

Example

-----

```
String 1 : Nia
String 2 : nisha
```

The screenshot shows an IDE interface with two panes. The left pane displays the Java code for `HelloJava.java`. The right pane shows the output in the `Console` tab.

```
1 package org.test;
2
3 public class HelloJava {
4     public static void main(String[] args) {
5         String s1 = "Nisha";
6         String s2= "nisha";
7         boolean equals = s1.equals(s2);
8         System.out.println(equals );
9
10        String s3 = "Nia";
11        String s4="nisha";
12    boolean equals2 = s3.equals(s4);
13    System.out.println(equals2 );
14
15    }
16
17 }
```

Console output:

```
<terminated>
false
false
```

QUESTION 11

-----

QUESTION 11.1

-----

Description : Generate the two literal string and find the  
identityHashCose()

Example

-----

String 1 : Nisha  
String 2 : Nisha

QUESTION 11.2

-----

Description : Generate the two non literal string and find the  
identityHashCose()

Example

-----

String 1 : Nisha  
String 2 : Nisha

QUESTION 11.3

-----

Description : Generate the three non literal string and find the  
identityHashCose()

Example

-----

String 1 : Nisha  
String 2 : Rengan  
String 3 : NishaRengan

QUESTION 11.4

-----

Description : Generate the three literal string and find the  
identityHashCose()

Example

-----

String 1 : Nisha  
String 2 : Rengan

String 3 : NishaRengan

```
1 package org.test;
2
3 public class HellloJava {
4     public static void main(String[] args) {
5         String s1 = "Nisha";
6         String s2= "nisha";
7         int identityHashCode = System.identityHashCode(s1);
8         System.out.println(identityHashCode);
9         int identityHashCode2 = System.identityHashCode(s2);
10        System.out.println(identityHashCode2);
11
12        String s3 = "Nisha";
13        String s4="Nisha";
14        int identityHashCode3 = System.identityHashCode(s3);
15        System.out.println(identityHashCode3);
16        int identityHashCode4 = System.identityHashCode(s4);
17        System.out.println(identityHashCode4);
18
19
20    }
21
22
23 }
```

```
Console
<terminated> HellloJava [1]
1279149968
2096057945
1279149968
1279149968
```

```
1 package org.test;
2
3 public class HellloJava {
4     public static void main(String[] args) {
5         //String s1 ="Nisha";
6         //String s2= "Rengan";
7         //String s3 = "NishaRengan";
8         System.out.println("non literal string");
9         String s1=new String("Nisha");
10        String s2=new String("Rengan");
11        String s3=new String("NishaRengan");
12        int identityHashCode = System.identityHashCode(s1);
13        System.out.println(identityHashCode);
14        int identityHashCode2 = System.identityHashCode(s2);
15        System.out.println(identityHashCode2);
16        int identityHashCode3 = System.identityHashCode(s3);
17        System.out.println(identityHashCode3);
18
19
20        System.out.println("literal string");
21        String s4 = "Nisha";
22        String s5= "Rengan";
23        String s6 = "NishaRengan";
24        int identityHashCode4 = System.identityHashCode(s4);
25        System.out.println(identityHashCode4);
26        int identityHashCode5 = System.identityHashCode(s5);
27        System.out.println(identityHashCode5);
28        int identityHashCode6 = System.identityHashCode(s6);
29        System.out.println(identityHashCode6);
30    }
31
32
33
34 }
```

```
Console
<terminated> HellloJava [1]
non literal string
434176574
2096057945
1689843956
literal string
766572210
1020391880
977993101
```

QUESTION 12

-----

QUESTION 12.1

-----

Description: Given String as "Welcome to java class" and split it by space.

Example:

-----

Input :Welcome to java class

Output:

-----

Welcome

to

java

class

QUESTION 12.2

-----

Description: Given String as "Welcome to java class" and split it by l

Example:

-----

Input :Welcome to java class

Output:

-----

We

come to java c

ass

The screenshot shows a Java application window with two panes. The left pane is titled 'HelloJava.java' and contains the following Java code:

```
1 package org.test;
2
3 public class HelloJava {
4     public static void main(String[] args) {
5
6         String s1="Welcome to java class";
7         String[] splits1=s1.split(" ");
8         for (String a : splits1) {
9             System.out.println(a);
10        }
11        System.out.println("-----");
12        String[] s2=s1.split("1");
13        for (String b : s2) {
14            System.out.println(b);
15        }
16    }
}
```

The right pane is titled 'Console' and shows the output of the program:

```
<terminated> HelloJava [Java Application] C:\Users\nav
Welcome
to
java
class
-----
Welcome to java class
```

QUESTION 13

-----

QUESTION 13.1

-----

Description: Given String as "Welcome to java class" and generate a substring.

Example:

-----

Input :Welcome to java class

Output:

-----

Welcome

The screenshot shows a Java code editor with a file named "HelloJava.java". The code prints "Welcome to java class" to the console. To the right is a "Console" window showing the output "Welcome".

```
1 package org.test;
2
3 public class HelloJava {
4     public static void main(String[] args) {
5
6         String s1="Welcome to java class";
7         String substring = s1.substring(0, 8);
8         System.out.println(substring );
9     }
10 }
```

QUESTION 14

-----  
Example:

Description: Given String as "Welcome" and the number of consonant count and vowels count

Example:

-----  
Input = Welcome  
output:  
-----  
vowels = 3  
consonant = 4

The screenshot shows a Java code editor with a file named "HelloJava.java". The code counts the number of vowels and consonants in the string "Welcome". The output is shown in the "Console" window.

```
1 package org.test;
2
3 public class HelloJava {
4     public static void main(String[] args) {
5
6         String s1="Welcome";
7         int vowels=0,consonants=0;
8         s1 =s1.toLowerCase();
9         for (int i = 0; i < s1.length(); i++) {
10             char ch=s1.charAt(i);
11             if(ch == 'a' || ch == 'e' || ch == 'i'||ch == 'o' || ch == 'u' ) {
12                 vowels++;
13             }
14             else if ((ch >= 'a' && ch <= 'z'))
15             {
16                 ++consonants;
17             }
18         }
19         System.out.println("vowels:" +vowels);
20         System.out.println("consonants:" +consonants);
21
22     }
23 }
24 }
```

Console output:  
<terminated> HelloJava [J:  
vowels:3  
consonants:4

QUESTION 15:

-----  
Description: Find the count of caps, small, number and special character in given string

Example:

-----  
Input : Welcome To Java class @123  
Output  
-----  
caps count :3  
small count :15  
number count:3  
Special char:5

The screenshot shows a Java IDE interface with two tabs: "HelloJava.java" and "Console".

```

1 package org.test;
2
3 public class HelloJava {
4     public static void main(String[] args) {
5
6         String s1="Welcome To Java class @123";
7         int upper=0,lower=0,number=0,specialChar=0,space=0;
8         char ch;
9         for (int i = 0; i < s1.length(); i++) {
10            ch =s1.charAt(i);
11            if(ch>='A' && ch<='Z') {
12                upper++;
13            }
14            else if (ch>='a' && ch<='z') {
15                lower++;
16            }
17            else if(ch>='0' && ch<='9') {
18                number++;
19            }
20            else if(ch== ' ') {
21                space++;
22            }
23            else {
24                specialChar++;
25            }
26        }
27
28        System.out.println("the no of capital letters is:"+upper);
29        System.out.println("the no of small letters is:"+lower);
30        System.out.println("the no of numerical letters is:"+number);
31        System.out.println("the no of specialchar is:"+specialChar);
32    }
33}

```

The "Console" tab displays the following output:

```

<terminated> HelloJava [Java Application]
the no of capital letters is:3
the no of small letters is:15
the no of numerical letters is:3
the no of specialchar is:1

```

## QUESTION 16

Description: Replace all vowels char into '@'

Example:

Input = Welcome  
Output = W@lc@m@

The screenshot shows a Java IDE interface with two tabs: "HelloJava.java" and "Console".

```

1 package org.test;
2
3 public class HelloJava {
4     public static void main(String[] args) {
5         String s="Welcome";
6         System.out.println(s);
7         char ch[]=s.toCharArray();
8         for(int i = 0;i<ch.length;i++) {
9             if(ch[i] == 'a' || ch[i] == 'e' || ch[i] == 'i' || ch[i] == 'o' || ch[i] == 'u') {
10                 ch[i] ='@';
11             }
12         }
13         for (int i = 0; i < ch.length; i++) {
14             System.out.print(ch[i]);
15         }
16     }
17 }
18
19

```

The "Console" tab displays the following output:

```

<terminated> H
Welcome
W@lc@m@

```

DAY7:

-----

1.Arrays

2.Collections Introduction

3.List (ArrayList only)

QUESTIONS (Find the below Output)

-----

QUESTION 1:

-----

Description : Write a Java program to sum values of an array

Input a[] = {1, 2, 3, 4, 5, 6, 7, 8, 9, 10}

Output = 55

The screenshot shows the Eclipse IDE interface. The top window is titled "CourseDetails.java" and contains the following Java code:

```
1 package org.tcs.com;
2
3 import java.util.HashMap;
4
5 public class CourseDetails {
6     public static void main(String[] args) {
7         int [] arr = new int [] {1, 2, 3, 4, 5, 6, 7, 8, 9, 10};
8         int sum = 0;
9         //Loop through the array to calculate sum of elements
10        for (int i = 0; i < arr.length; i++) {
11            sum = sum + arr[i];
12        }
13        System.out.println("Sum of all the elements of an array: " + sum);
14    }
15 }
```

The bottom window is titled "Console" and shows the output of the program:

```
<terminated> CourseDetails (4) [Java Application] C:\Users\navee\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.j
Sum of all the elements of an array: 55
```

QUESTION 2:

-----

Description : Write a Java program to calculate the average value of array elements.

Input a[] = {1, 2, 3, 4, 5, 6, 7, 8, 9, 10}

Output = average = 7.0

```
CourseDetails.java
1 package org.tcs.com;
2
3 public class CourseDetails {
4     public static void main(String[] args) {
5         int[] numbers = new int[]{1,2,3,4,5,6,7,8,9,10};
6
7         double sum = 0;
8
9
10        for(int i=0; i<numbers.length ; i++)
11            sum = sum + numbers[i];
12
13
14        double average = sum / numbers.length;
15
16        System.out.println("Average value of array elements is : " + average);
17    }
18}
```

```
Console
<terminated> CourseDetails (4) [Java Application] C:\Users\navee\p2\pool\plugins\org.eclipse.justj.openjdk.hotsp
Average value of array elements is : 5.5
```

QUESTION 3:

-----  
Description : Write a Java program to remove duplicates from array  
Input a[] = {10,10,20,50,60,80,60,50}  
Output a[] = {10,20,50,60,80}

The screenshot shows a Java IDE interface. On the left is the code editor with a file named 'Test.java'. The code is a Java program that creates an ArrayList 'a' containing integers 10, 20, 50, 60, 80, 60, and 50. It then iterates through the list, comparing each element with every subsequent element. If a match is found, the element at index i is removed from the list, and the indices are reset. The output is printed to the console.

```
1 package org.test;
2
3 import java.util.ArrayList;
4
5 public class Test {//Input a[] = {10,10,20,50,60,80,60,50}
6     public static void main(String[] args) {
7         ArrayList a = new ArrayList();
8         a.add(10);
9         a.add(10);
10        a.add(20);
11        a.add(50);
12        a.add(60);
13        a.add(80);
14        a.add(60);
15        a.add(50);
16        int length=a.size();
17        for(int i=0;i<length;i++) {
18            for(int j=i+1;j<length;j++) {
19                if(a.get(i) == a.get(j)) {
20                    a.remove(i);
21                    i=0;
22                    j=0;
23                    length=length-1;
24                }
25            }
26        }
27        System.out.println(a);
28    }
29 }
30 }
```

<terminated> Test (6) [Java A]  
[10, 20, 80, 60, 50]

QUESTION 4:

-----

QUESTION 4.1:

-----

Description : Create a new ArrayListlist with values and find the length of it

Input : List = 10,20,30,90,10,10,40,50

QUESTION 4.2:

-----

Description : Create a new LinkedListlist with values and find the length of it

Input : List = 100,200,300,400,500,600,700

QUESTION 4.3:

-----

Description : Create a new vector with values and find the length of it

Input : List = 105,205,305,405,505,605,705,805

QUESTION 4.4:

-----

Description : Create a new LinkedListlist with values and find the size() of it.

Input : List = 100,200,300,400,500,600,700

Test.java

```
1 package org.test;
2
3 import java.util.ArrayList;
4 import java.util.Vector;
5
6 public class Test { //105,205,305,405,505,605,705,805
7     public static void main(String[] args) {
8         Vector <Integer> a =new Vector<Integer>();
9         a.add(105);
10        a.add(205);
11        a.add(305);
12        a.add(405);
13        a.add(505);
14        a.add(605);
15        a.add(705);|
16        a.add(805);
17        int length=a.size();
18        System.out.println(length);
19    }
20}
21
```

Console

```
<terminated> 1
8
```

Test.java

```
1 package org.test;
2
3 import java.util.ArrayList;
4 import java.util.LinkedList;
5 import java.util.List;
6 import java.util.Vector;
7
8 public class Test { //105,205,305,405,505,605,705,805
9     public static void main(String[] args) {
10         List <Integer> a =new LinkedList();
11         a.add(100);
12         a.add(200);
13         a.add(300);
14         a.add(400);
15         a.add(500);
16         a.add(600);
17         a.add(700);|
18         int length=a.size();
19         System.out.println(length);
20    }
21}
```

Console

```
<terminated> Test
7
```

The screenshot shows a Java development environment with two code editors and two consoles.

**Code Editor 1 (Top):** Contains the code for `Test.java`. The code creates an `ArrayList` named `a` and adds elements 10, 20, 30, 90, 10, 10, 40, 50. It then prints the size of the list.

```
1 package org.test;
2
3 import java.util.ArrayList;
4
5 public class Test {
6     public static void main(String[] args) {
7         ArrayList a = new ArrayList();
8         a.add(10);
9         a.add(20);
10        a.add(30);
11        a.add(90);
12        a.add(10);
13        a.add(10);
14        a.add(40);
15        a.add(50);
16        int length=a.size();
17        System.out.println(length);
18    }
19 }
```

**Console 1 (Top Right):** Shows the output of the `Test.java` run, which is the number 8.

**Code Editor 2 (Bottom):** Contains the code for `List1.java`. The code creates a `LinkedList` named `l` and adds elements 100, 200, 300, 400, 500, 600, 700. It then prints the size of the list.

```
1 package org.com;
2
3 import java.util.ArrayList;
4 import java.util.List;
5 import java.util.LinkedList;
6
7
8 public class List1 {
9     public static void main(String[] args) {
10
11
12     List<Integer>l = new LinkedList();
13     l.add(100);
14     l.add(200);
15     l.add(300);
16     l.add(400);
17     l.add(500);
18     l.add(600);
19     l.add(700);
20     int size = l.size();
21     System.out.println(size);
22
23 }
24 }
```

**Console 2 (Bottom Right):** Shows the output of the `List1.java` run, which is the number 7.

QUESTION 5:

-----

QUESTION 5.1:

-----

Description : Get the first index value of 10  
Input: List = 10,20,30,90

QUESTION 5.2:

-----

Description : Get the last index value of 10  
Input: List = 10,20,30,90,10,10,40,50

QUESTION 5.3:

-----  
Description : Get the index value of 50  
Input: List = 10,20,30,90,10,10,40,50

QUESTION 5.4:

-----  
Description : Get the index value of 90  
Input: List = 10,20,30,90,10,10,40,50

QUESTION 5.5:

-----  
Description : Get the each index value of 10 present in below list  
Input: List = 10,20,30,90,10,10,40,50,10

QUESTION 5.6:

-----  
Description : Get the each index value of 70 present in below list  
Input: List = 10,20,30,90,10,10,40,50,10

CourseDetails.java

```
1 package org.tcs.com;
2 import java.util.ArrayList;
3 import java.util.List;
4 import java.util.LinkedList;
5 public class CourseDetails {
6     public static void main(String[] args) {
7         List li = new ArrayList();           //10,20,30,90,10,10,40,
8
9         li.add(10);
10        li.add(20);
11        li.add(30);
12        li.add(90);
13        li.add(10);
14        li.add(10);
15        li.add(40);
16        li.add(50);
17        int indexOf = li.indexOf(50);
18        System.out.println(indexOf);
19    }
20 }
```

Console

```
terminated> CourseDetails (4) [Java Application] C:\Users\navee\.p2\pool\plugins\org.ecli
7
```

### CourseDetails.java

```
1 package org.tcs.com;
2 import java.util.ArrayList;
3 import java.util.List;
4 import java.util.LinkedList;
5 public class CourseDetails {
6     public static void main(String[] args) {
7         List li = new ArrayList();           //10,20,30,90,10,10,40,50
8
9         li.add(10);
10        li.add(20);
11        li.add(30);
12        li.add(90);
13        li.add(10);
14        li.add(10);
15        li.add(40);
16        li.add(50);
17        int indexOf = li.indexOf(10);
18        System.out.println(indexOf);
19    }
20 }
```

### Console

```
<terminated> CourseDetails (4) [Java Application] C:\Users\navee\p2\pool\plugins\org.eclipse.ju
0
```

```
CourseDetails.java ✘
1 package org.tcs.com;
2 import java.util.ArrayList;
3 import java.util.List;
4 import java.util.LinkedList;
5 public class CourseDetails {
6     public static void main(String[] args) {
7         List li = new ArrayList();
8         li.add(10);
9         li.add(20);
10        li.add(30);
11        li.add(90);
12        int indexOf = li.indexOf(10);
13        System.out.println(indexOf);
14    }
15 }
```

Console ✘

```
<terminated> CourseDetails (4) [Java Application] C:\Users\naver\p
0 <terminated> CourseDetails (4) [Java Application] C:\User:
```

### CourseDetails.java

```
1 package org.tcs.com;
2 import java.util.ArrayList;
3 import java.util.List;
4 import java.util.LinkedList;
5 public class CourseDetails {
6     public static void main(String[] args) {
7         List li = new ArrayList();           //10,20,30,90,10,10,40,50
8
9         li.add(10);
10        li.add(20);
11        li.add(30);
12        li.add(90);
13        li.add(10);
14        li.add(10);
15        li.add(40);
16        li.add(50);
17        int indexOf = li.indexOf(90);
18        System.out.println(indexOf);
19    }
20 }
```

### Console

```
<terminated> CourseDetails (4) [Java Application] C:\Users\navee\p2\pool\plugins\org.eclipse.j
3
```

QUESTION 6:

-----

QUESTION 6.1:

-----

Description : Get the value present at 2nd index

Input: List = 10,20,30,40,50,60

QUESTION 6.2:

-----

Description : Get the value present at 4th index

Input: List = 100,200,300,400,500,600,700

QUESTION 6.3:

-----

Description : Get the value present at 8th index

Input: List = 105,205,305,405,505,605,705,805

QUESTION 6.4:

-----

Description : Get the each value of list by using normal for loop

Input: List = 105,205,305,405,505,605,705,805

QUESTION 6.5:

-----  
Description : Get the each value of list by using enhanced for loop  
Input: List = 105,205,305,405,505,605,705,805

```
CourseDetails.java ✘
```

```
1 package org.tcs.com;
2 import java.util.ArrayList;
3 import java.util.List;
4 import java.util.LinkedList;
5 public class CourseDetails {
6     public static void main(String[] args) {
7         List li = new ArrayList(); //105,
8
9
10    li.add(105);
11    li.add(205);
12    li.add(305);
13    li.add(405);
14    li.add(505);
15    li.add(605);
16    li.add(705);
17    li.add(805);
18
19    for (int i = 0; i < li.size(); i++) {
20        System.out.println(li.get(i));
21    }
22}
23}
24}
```

```
Console ✘
```

```
<terminated> CourseDetails (4) [Java Application] C:\Users\navee\p
105
205
305
405
505
605
705
805
```

CourseDetails.java

```
1 package org.tcs.com;
2 import java.util.ArrayList;
3 import java.util.List;
4 import java.util.LinkedList;
5 public class CourseDetails {
6     public static void main(String[] args) {
7         List li = new ArrayList(); //105,
8
9
10    li.add(105);
11    li.add(205);
12    li.add(305);
13    li.add(405);
14    li.add(505);|
15    li.add(605);
16    li.add(705);
17    li.add(805);
18    Object object = li.get(7);
19    System.out.println(object);
20 }
21 }
22
```

I

Console

```
<terminated> CourseDetails (4) [Java Application] C:\Users\navee\p
805
```

CourseDetails.java

```
1 package org.tcs.com;
2 import java.util.ArrayList;
3 import java.util.List;
4 import java.util.LinkedList;
5 public class CourseDetails {
6     public static void main(String[] args) {
7         List li = new ArrayList(); //100,200,300,400,500
8
9
10    li.add(100);
11    li.add(200);
12    li.add(300);
13    li.add(400);
14    li.add(500);
15    li.add(600);
16    li.add(700);
17
18    Object object = li.get(4);
19    System.out.println(object);
20 }
21 }
22 }
```

Console

```
<terminated> CourseDetails (4) [Java Application] C:\Users\navee\.p2\pool\plugins\org.e
500
```

The screenshot shows a Java development environment with two open windows. The top window is titled 'CourseDetails.java' and contains the following Java code:

```
1 package org.tcs.com;
2 import java.util.ArrayList;
3 import java.util.List;
4 import java.util.LinkedList;
5 public class CourseDetails {
6     public static void main(String[] args) {
7         List li = new ArrayList(); //10,20,30,90,:
8
9         li.add(10);
10        li.add(20);
11        li.add(30);
12        li.add(40);
13        li.add(50);
14        li.add(60);
15
16        Object object = li.get(2);
17        System.out.println(object);
18    }
19 }
20
```

The bottom window is titled 'Console' and displays the output of the program:

```
<terminated> CourseDetails (4) [Java Application] C:\Users\navee\.p2\pool\plugins\org.eclipse.jdt.core_3.11.0.v20150511-1913\src\org\tcs\com\CourseDetails.java:10
30
```

```
CourseDetails.java ✘
```

```
1 package org.tcs.com;
2 import java.util.ArrayList;
3 import java.util.List;
4 import java.util.LinkedList;
5 public class CourseDetails {
6     public static void main(String[] args) {
7         List li = new ArrayList(); //105,205,305
8
9
10        li.add(105);
11        li.add(205);
12        li.add(305);
13        li.add(405);
14        li.add(505);
15        li.add(605);
16        li.add(705);
17        li.add(805);
18
19        for (Object x : li) {
20            System.out.println(x);
21        }
22    }
23 }
```

```
Console ✘
```

```
<terminated> CourseDetails (4) [Java Application] C:\Users\navee\.p2\pool\plu
105
205
305
405
505
605
705
805
```

QUESTION 7:

-----

QUESTION 7.1:

-----

Description : Remove the value present at 2nd index  
Input: List = 10,20,30,40,50,60

QUESTION 7.2:

-----

Description : Remove the value present at 10th index  
Input: List = 10,20,30,90,10,10,40

**QUESTION 7.3:**

Description : Remove the last value of 10 present in the list  
Input: List = 10,20,30,90,10,10,40

```
1 package org.tcs.com;
2 import java.util.ArrayList;
3 import java.util.List;
4 import java.util.LinkedList;
5 public class CourseDetails {
6     public static void main(String[] args) {
7         List li = new ArrayList();           //10,20,30,90,10,10,40
8
9         li.add(10);
10        li.add(20);
11        li.add(30);
12        li.add(40);
13        li.add(50);
14        li.add(60);
15        li.remove(2);
16        System.out.println(li);
17
18
19    }
20 }
```

```
Console ✘
<terminated> CourseDetails (4) [Java Application] C:\Users\navee\p2\po
[10, 20, 40, 50, 60]
```

**QUESTION 8:**

-----

**QUESTION 8.1:**

-----

Description : Add a value 50 in the 2nd index and display the list after adding.

Input : List = 10,20,30,90,10,10,40,50

**QUESTION 8.2:**

-----

Description : Add a value 70 at the end of the list

Input : List = 10,20,30,90,10,10,40,50

**QUESTION 8.3:**

-----

Description : Add a value 80 at the 8th index of list

Input : List = 10,20,30,90,10,10,40,50

QUESTION 8.4:

-----  
Description : Add a value 100 at the last index of 10 in the list  
Input : List = 10,20,30,90,10,10,40,50

```
CourseDetails.java ✘
1 package org.tcs.com;
2 import java.util.ArrayList;
3 import java.util.List;
4 import java.util.LinkedList;
5 public class CourseDetails {
6     public static void main(String[] args) {
7         List li = new ArrayList(); // 1
8
9
10        li.add(10);
11        li.add(20);
12        li.add(30);
13        li.add(90);
14        li.add(10);
15        li.add(10);
16        li.add(40);
17        li.add(50);
18        li.add(8,70); // 2
19        System.out.println(li);
20    }
21 }
```

```
Console ✘
<terminated> CourseDetails (4) [Java Application] C:\Users\navee\
[10, 20, 30, 90, 10, 10, 40, 50, 70]
```

```
CourseDetails.java ✘
1 package org.tcs.com;
2 import java.util.ArrayList;
3 import java.util.List;
4 import java.util.LinkedList;
5 public class CourseDetails {
6     public static void main(String[] args) {
7         List li = new ArrayList(); // 10,2
8
9
10    li.add(10);
11    li.add(20);
12    li.add(30);
13    li.add(90);
14    li.add(10);
15    li.add(10);
16    li.add(40);
17    li.add(50);
18    li.add(2,50);
19    System.out.println(li);
20 }
21 }
```

```
Console ✘
<terminated> CourseDetails (4) [Java Application] C:\Users\navee\p2\
[10, 20, 50, 30, 90, 10, 10, 40, 50]
```

The screenshot shows an IDE interface with two tabs: 'CourseDetails.java' and 'Console'. The 'CourseDetails.java' tab displays the following Java code:

```
1 package org.tcs.com;
2 import java.util.ArrayList;
3 import java.util.List;
4 import java.util.LinkedList;
5 public class CourseDetails {
6     public static void main(String[] args) {
7         List li = new ArrayList(); // 10,20,30,
8
9
10        li.add(10);
11        li.add(20);
12        li.add(30);
13        li.add(90);
14        li.add(10);
15        li.add(10);
16        li.add(40);
17        li.add(50);
18        li.add(8,80);|
19        System.out.println(li);
20    }
21 }
```

The 'Console' tab shows the output of the program:

```
<terminated> CourseDetails (4) [Java Application] C:\Users\navee\p2\pool\
[10, 20, 30, 90, 10, 10, 40, 50, 80]
```

QUESTION 9:

-----

QUESTION 9.1:

-----

Description : Replace the value 300 into 350 in the list  
Input : List = 100,200,300,400,500,600,700

QUESTION 9.2:

-----

Description : Replace the value present in 7th index as 90  
Input: List = 10,20,30,90,10,10,40,50,10

QUESTION 9.3:

-----

Description : Replace the 10 into 100 in List  
Input: List = 10,20,30,90,10,10,40,50,30  
Output: List = 100,20,30,90,100,100,40,50,30

The screenshot shows a Java IDE interface with two windows. The top window displays the code for `Test.java`. The code creates an `ArrayList` named `a` and adds elements at indices 7 through 16. It then removes the element at index 7 and adds a new element at index 7 with the value 90. Finally, it prints the list. The bottom window shows the output in the console: `[10, 20, 30, 90, 10, 10, 40, 90, 10]`.

```
1 package org.test;
2
3 import java.util.ArrayList;
4 import java.util.LinkedList;
5 import java.util.List;
6 import java.util.Vector;
7
8 public class Test { //10,20,30,90,10,10,40,50,10
9     public static void main(String[] args) {
10         List <Integer> a =new ArrayList();
11         a.add(10);
12         a.add(20);
13         a.add(30);
14         a.add(90);
15         a.add(10);
16         a.add(10); //10,20,30,90,10,10,40,50,10
17         a.add(40);
18         a.add(50);
19         a.add(10);
20
21         a.remove(7);
22         a.add(7, 90);
23         System.out.println(a);
24     }
25 }
```

The screenshot shows a Java IDE interface with two windows. The top window displays the code for `Test.java`. The code creates an `ArrayList` named `a` and adds elements from 100 to 700. It then removes the element at index 2 and sets the element at index 2 to 350. Finally, it prints the list. The bottom window shows the output in the console: `[100, 200, 350, 500, 600, 700]`.

```
1 package org.test;
2
3 import java.util.ArrayList;
4 import java.util.LinkedList;
5 import java.util.List;
6 import java.util.Vector;
7
8 public class Test {
9     public static void main(String[] args) {
10         List <Integer> a =new ArrayList();
11         a.add(100);
12         a.add(200);
13         a.add(300);
14         a.add(400);
15         a.add(500);
16         a.add(600);
17         a.add(700);
18         //int length=a.size();
19         //System.out.println(length);
20         a.remove(2);
21         a.set(2, 350);
22         System.out.println(a);
23     }
24 }
```

The screenshot shows a Java IDE interface. On the left is the code editor with a file named 'Test.java'. The code contains imports for ArrayList, Collections, LinkedList, List, and Vector. It defines a class 'Test' with a main method that creates an ArrayList 'a' and adds various integer values. It then uses the Collections.replaceAll method to replace all occurrences of 10 with 100. The code is as follows:

```
1 package org.test;
2
3 import java.util.ArrayList;
4 import java.util.Collections;
5 import java.util.LinkedList;
6 import java.util.List;
7 import java.util.Vector;
8
9 public class Test {
10     public static void main(String[] args) {
11         List <Integer> a = new ArrayList();
12         a.add(10);
13         a.add(20);
14         a.add(30);
15         a.add(90);
16         a.add(10);
17         a.add(10);
18         a.add(40);
19         a.add(50);
20         a.add(30);
21
22         //int length=a.size();
23         //System.out.println(length);
24
25         booleanreplaceAll = Collections.replaceAll(a, 10, 100);
26         //System.out.println(replaceAll);
27         System.out.println(a);
28     }
29 }
```

On the right is the 'Console' window, which displays the output of the program. The output shows the original list of integers followed by the modified list where all 10s have been replaced by 100s.

```
<terminated> Test (6) [Java Application] C:\Users\naveen
[100, 20, 30, 90, 100, 100, 40, 50, 30]
```

QUESTION 10:

-----

QUESTION 10.1:

-----

Description : Create a new ArrayList lists with values and return the common values

Input : List = 10,20,30,90,10,10,40,50  
Input : List = 30,40,50,60,80

QUESTION 10.2:

-----

Description : Create a new ArrayList lists with values and return the common values

Input : List = 10,20,30,90,10,10,40,50  
Input : List = 10,20,60,50,40,70,80,90

QUESTION 10.3:

-----

Description : Create a new ArrayList lists with values and return the common values

Input : List = 10,20,30,40,50,60,70,80  
Input : List = 100,200,300,400,500,600,700,8000

List1.java

```
1 package org.com;
2
3import java.util.ArrayList;
4import java.util.List;
5import java.util.LinkedList;
6
7
8 public class List1 {
9@public static void main(String[] args) {
10    List li =new ArrayList();
11    li.add(10);
12    li.add(20);
13    li.add(30);
14    li.add(90);
15    li.add(10);
16    li.add(10);
17    li.add(40);
18    li.add(80);
19
20    List<Integer>l = new LinkedList();
21    l.add(10);
22    l.add(20);
23    l.add(60);
24    l.add(50);
25    l.add(40);
26    l.add(70);
27    l.add(80);
28    l.add(90);
29    li.addAll(l);
30    System.out.println(li);
31
32 }
33 }
```

Console

```
<terminated> List1 [Java Application]
[10, 20, 90, 10, 10, 40, 80]
```

\*List1.java

```
1 package org.com;
2
3import java.util.ArrayList;
4import java.util.List;
5import java.util.LinkedList;
6
7
8 public class List1 {
9@public static void main(String[] args) {
10    List li =new ArrayList();
11    li.add(10);
12    li.add(20);
13    li.add(30);
14    li.add(90);
15    li.add(10);
16    li.add(10);
17    li.add(40);
18    li.add(50);
19
20    //System.out.println(li);
21    //System.out.println("-----");
22    List<Integer>l = new LinkedList();
23    l.add(30);
24    l.add(40);
25    l.add(50);
26    l.add(60);
27    l.add(80);
28    li.addAll(l);
29    System.out.println(li);
30
31 }
32 }
```

Console

```
<terminated> List
[30, 40, 50]
```

The screenshot shows two Java code editors and their respective consoles.

**Top Editor:**

```
1 package org.test;
2
3 import java.util.ArrayList;
4 import java.util.Collections;
5 import java.util.LinkedList;
6 import java.util.List;
7 import java.util.Vector;
8
9 public class Test {
10     public static void main(String[] args) {
11         List <Integer> a =new ArrayList();
12         a.add(10);
13         a.add(20);
14         a.add(30);
15         a.add(90);
16         a.add(10);
17         a.add(10);
18         a.add(40);
19         a.add(50);
20         a.add(30);
21
22         //int length=a.size();
23         //System.out.println(length);
24
25         boolean replaceAll = Collections.replaceAll(a, 10, 100);
26         //System.out.println(replaceAll);
27         System.out.println(a);
28     }
29 }
```

**Top Console:**

```
<terminated> Test (6) [Java Application] C:\Users\naveen
[100, 20, 30, 90, 100, 100, 40, 50, 30]
```

**Bottom Editor:**

```
1 package org.test;
2
3 import java.util.ArrayList;
4 import java.util.LinkedList;
5 import java.util.List;
6 import java.util.Vector;
7
8 public class Test { //10,20,30,90,10,10,40,50,10
9     public static void main(String[] args) {
10         List <Integer> a =new ArrayList();
11         a.add(10);
12         a.add(20);
13         a.add(30);
14         a.add(90);
15         a.add(10);
16         a.add(10);|
17         a.add(40);
18         a.add(50);
19         a.add(10);
20
21         a.remove(7);
22         a.add(7, 90);
23         System.out.println(a);
24     }
25 }
```

**Bottom Console:**

```
<terminated> Test (6) [Java Application] C:\Users\naveen
[10, 20, 30, 90, 10, 10, 40, 90, 10]
```

The screenshot shows an IDE interface with two code editors and a central console window.

**Test.java**

```
1 package org.test;
2
3 import java.util.ArrayList;
4 import java.util.LinkedList;
5 import java.util.List;
6 import java.util.Vector;
7
8 public class Test {
9     public static void main(String[] args) {
10         List <Integer> a =new ArrayList();
11         a.add(100);
12         a.add(200);
13         a.add(300);
14         a.add(400);
15         a.add(500);
16         a.add(600);
17         a.add(700);
18         //int length=a.size();
19         //System.out.println(length);
20         a.remove(2);
21         a.set(2, 350);
22         System.out.println(a);
23     }
24 }
```

**List1.java**

```
1 package org.com;
2
3 import java.util.ArrayList;
4 import java.util.List;
5 import java.util.LinkedList;
6
7
8 public class List1 {
9     public static void main(String[] args) {
10         List li =new ArrayList();
11         li.add(10);
12         li.add(20);
13         li.add(30);
14         li.add(90);
15         li.add(10);           //| 100,200,300,400,500,600,700,8000
16
17         li.add(10);
18         li.add(40);
19         li.add(80);
20
21         List<Integer>l = new LinkedList();
22         l.add(100);
23         l.add(200);
24         l.add(300);
25         l.add(400);
26         l.add(500);
27         l.add(600);
28         l.add(700);
29         l.add(800);
30         li.retainAll(l);
31         System.out.println(li);
32
33     }
34 }
```

**Console**

```
<terminated> Test (6) [Java Application] C:\[100, 200, 350, 500, 600, 700]
```

The console output shows the result of running the `Test` class, which prints a list containing `[100, 200, 350, 500, 600, 700]`. The `List1` class is currently being run, and its console output is partially visible, showing the addition of elements to a list and the creation of another list `l`.

QUESTION 11:

-----

QUESTION 11.1:

-----

Description : Create a new ArrayListlists with values and perform  
removeAll() function

Input : List = 10,20,30,90,10,10,40,50

Input : List = 30,40,50,60,80

QUESTION 11.2:

-----

Description : Create a new ArrayListlists with values and perform  
removeAll() function

Input : List = 10,20,30,90,10,10,40,50

Input : List = 10,20,60,50,40,70,80,90

QUESTION 11.3:

-----

Description : Create a new ArrayListlists with values and perform  
removeAll() function

Input : List = 10,20,30,40,50,60,70,80

Input : List = 100,200,300,400,500,600,700,8000

The screenshot shows a Java application window with two panes. The left pane is a code editor containing the following Java code:

```
1 package org.com;
2
3 import java.util.ArrayList;
4 import java.util.List;
5 import java.util.LinkedList;
6
7
8 public class List1 {
9     public static void main(String[] args) {
10         List li = new ArrayList();
11         li.add(10);
12         li.add(20);
13         li.add(30);
14         li.add(90);
15         li.add(10);
16         li.add(10);
17         li.add(40);
18         li.add(50);
19
20         //System.out.println(li);
21         //System.out.println("-----");
22         List<Integer>l = new LinkedList();
23         l.add(30);
24         l.add(40);
25         l.add(50);
26         l.add(60);
27         l.add(8);
28         li.removeAll(l);
29         System.out.println(li);
30
31     }
32 }
33
```

The right pane is a console window titled "Console" with the output:

```
<terminated> List1 [Java Application]
[10, 20, 90, 10, 10]
```

The screenshot shows a Java application window with two panes. The left pane is a code editor containing the following Java code:

```
1 package org.com;
2
3 import java.util.ArrayList;
4 import java.util.List;
5 import java.util.LinkedList;
6
7
8 public class List1 {
9     public static void main(String[] args) {
10         List li = new ArrayList();
11         li.add(10);
12         li.add(20);
13         li.add(30);
14         li.add(90);
15         li.add(10); // 100,200,300,400,500,600,700,8000
16
17         li.add(10);
18         li.add(40);
19         li.add(80);
20
21         List<Integer>l = new LinkedList();
22         l.add(100);
23         l.add(200);
24         l.add(300);
25         l.add(400);
26         l.add(500);
27         l.add(600);
28         l.add(700);
29         l.add(800);
30         li.removeAll(l);
31         System.out.println(li);
32
33     }
34 }
```

The right pane is a console window titled "Console" with the output:

```
<terminated> List1 [Java Application] C:\User
[10, 20, 30, 90, 10, 10, 40, 80]
```

```
CourseDetails.java ✘
1 package org.tcs.com;
2 import java.util.ArrayList;
3 import java.util.List;
4 import java.util.LinkedList;
5 public class CourseDetails {
6     public static void main(String[] args) {
7         List li = new ArrayList();           // 10,20,30,90,10,10,40,50
8         li.add(10);
9         li.add(20);
10        li.add(30);
11        li.add(90);
12        li.add(10);
13        li.add(10);
14        li.add(40);
15        li.add(50);
16        List <Integer> l = new LinkedList();
17        l.add(30);
18        l.add(40);
19        l.add(50);
20        l.add(60);|
21        l.add(80);
22        li.removeAll(l);
23        System.out.println(li);
24    }
25 }
```

```
Console ✘
<terminated> CourseDetails (4) [Java Application] C:\Users\navee\.p2\pool\plugins\org.eclipse.ju
[10, 20, 90, 10, 10]
```

DAY8:

-----

- 1.Userdefine List
- 2.LinkedList vs Vector
- 3.Set and types

QUESTIONS:

-----

QUESTION 1.1:

-----

Description : Create a HashSet for the below values

Input : List = 10,20,30,40,50,60,70,80,90,10,20

QUESTION 1.2:

-----

Description : Create a LinkedHashSet for the below values

Input : List = 10,20,30,40,50,60,70,80,90,10,20

QUESTION 1.3:

-----

Description : Create a TreeSet for the below values

Input : List = 10,20,30,40,50,60,70,80,90,10,20

The image shows a Java development environment with two code editors and two consoles.

**Code Editor 1 (Top Left):**

```
1 package org.test;
2
3 import java.util.ArrayList;
4 import java.util.Collections;
5 import java.util.HashSet;
6 import java.util.LinkedHashSet;
7 import java.util.LinkedList;
8 import java.util.List;
9 import java.util.Set;
10 import java.util.TreeSet;
11 import java.util.Vector;
12
13 public class Test {
14     public static void main(String[] args) {
15         Set <Integer> a =new LinkedHashSet();
16         a.add(10);
17         a.add(20);
18         a.add(30); // Cursor is here
19         a.add(40);
20         a.add(50);
21         a.add(60);
22         a.add(70);
23         a.add(80);
24         a.add(90);
25         a.add(10);
26         a.add(20);
27
28         System.out.println(a);
29
30
31     }
32 }
33 }
```

**Console 1 (Top Right):**

```
<terminated> Test (6) [Java Application] C:\Users\nav
[10, 20, 30, 40, 50, 60, 70, 80, 90]
```

**Code Editor 2 (Bottom Left):**

```
1 package org.test;
2
3 import java.util.ArrayList;
4 import java.util.Collections;
5 import java.util.HashSet;
6 import java.util.LinkedList;
7 import java.util.List;
8 import java.util.Set;
9 import java.util.TreeSet;
10 import java.util.Vector;
11
12 public class Test {
13     public static void main(String[] args) {
14         Set <Integer> a =new HashSet();
15         a.add(10);
16         a.add(20);
17         a.add(30);
18         a.add(40);
19         a.add(50);
20         a.add(60);
21         a.add(70);
22         a.add(80);
23         a.add(90);
24         a.add(10);
25         a.add(20);
26
27
28         System.out.println(a);
29
30
31     }
32 }
```

**Console 2 (Bottom Right):**

```
<terminated> Test (6) [Java Application] C:\Users\nav
[80, 50, 20, 70, 40, 10, 90, 60, 30]
```

The screenshot shows a Java IDE interface. On the left is the code editor window titled "Test.java" containing the following Java code:

```
1 package org.test;
2
3 import java.util.ArrayList;
4 import java.util.Collections;
5 import java.util.HashSet;
6 import java.util.LinkedList;
7 import java.util.List;
8 import java.util.Set;
9 import java.util.TreeSet;
10 import java.util.Vector;
11
12 public class Test {
13     public static void main(String[] args) {
14         Set <Integer> a =new TreeSet();
15         a.add(10);
16         a.add(20);
17         a.add(30);
18         a.add(40);
19         a.add(50);
20         a.add(60);
21         a.add(70);
22         a.add(80);
23         a.add(90);
24         a.add(10);
25         a.add(20);
26
27         System.out.println(a);
28     }
29 }
30
31 }
```

On the right is the "Console" window showing the output of the program:

```
<terminated> Test (6) [Java Application] C:\Users\ [10, 20, 30, 40, 50, 60, 70, 80, 90]
```

QUESTION 2:

-----

QUESTION 2.1:

-----

Description : Convert the below list in to set(use addAll()) method  
Input : List = 10,20,30,90,10,10,40,50

QUESTION 2.2:

-----

Description : Convert the below list in to set(use addAll()) method  
Input : List = 105,205,305,405,505,605,705,805,505,605

QUESTION 2.3:

-----

Description : Convert the below list in to set(use addAll()) method  
Input : List = 100,200,300,400,500,600,700,100,300,500

The image shows a Java development environment with two code editors and two consoles.

**Top Editor:**

```
1 package org.test;
2
3 import java.util.ArrayList;
4 import java.util.Collections;
5 import java.util.HashSet;
6 import java.util.LinkedList;
7 import java.util.List;
8 import java.util.Set;
9 import java.util.TreeSet;
10 import java.util.Vector;
11
12 public class Test {
13     public static void main(String[] args) {
14
15         List<Integer> a = new ArrayList();
16         a.add(105);
17         a.add(205);
18         a.add(305);
19         a.add(405);
20         a.add(505);
21         a.add(605);
22         a.add(705);
23         a.add(805);
24         a.add(505);
25         a.add(605);
26
27         Set <Integer> z = new TreeSet();
28         z.addAll(a);
29         System.out.println(z);
30     }
31 }
32 }
```

**Top Console:**

```
<terminated> Test (6) [Java Application] C:\Users\naveen
[105, 205, 305, 405, 505, 605, 705, 805]
```

**Bottom Editor:**

```
1 package org.test;
2
3 import java.util.ArrayList;
4 import java.util.Collections;
5 import java.util.HashSet;
6 import java.util.LinkedList;
7 import java.util.List;
8 import java.util.Set;
9 import java.util.TreeSet;
10 import java.util.Vector;
11
12 public class Test {
13     public static void main(String[] args) {
14
15         List<Integer> a = new ArrayList();
16         a.add(10);
17         a.add(20);
18         a.add(30);
19         a.add(90);
20         a.add(10);
21         a.add(10);
22         a.add(40);
23         a.add(50);
24
25         Set <Integer> z = new TreeSet();
26         z.addAll(a);
27         System.out.println(z);
28     }
29 }
30 }
```

**Bottom Console:**

```
<terminated> Test (6) [Java Application]
[10, 20, 30, 40, 50, 90]
```

The screenshot shows an IDE interface with two windows. The left window, titled 'Test.java', contains the following Java code:

```
1 package org.test;
2
3 import java.util.ArrayList;
4 import java.util.Collections;
5 import java.util.HashSet;
6 import java.util.LinkedList;
7 import java.util.List;
8 import java.util.Set;
9 import java.util.TreeSet;
10 import java.util.Vector;
11
12 public class Test {
13     public static void main(String[] args) {
14
15         List<Integer> a = new ArrayList();
16         a.add(100);
17         a.add(200);
18         a.add(300);
19         a.add(400);
20         a.add(500);
21         a.add(600);
22         a.add(700);
23         a.add(100);
24         a.add(300);
25         a.add(500);
26
27         Set <Integer> z = new TreeSet();
28         z.addAll(a);
29         System.out.println(z);
30     }
31 }
32
```

The right window, titled 'Console', shows the output of the program:

```
<terminated> Test (6) [Java Application] C:\Users\naveen
[100, 200, 300, 400, 500, 600, 700]
```

QUESTION 3:

-----

QUESTION 3.1:

-----

Description : Get the each value of set by using enhanced for loop

Input: List = 105,205,305,405,505,605,705,805

QUESTION 3.2:

-----

Description : Create a TreeSet and iterate each value in the set by using enhanced for loop

Input : List = 10,20,30,40,50,60,70,80,90,10,20

QUESTION 3.3:

-----

Description : Create a HashSet and iterate each value in the set by using enhanced for loop

Input : List = 10,20,30,40,50,60,70,80,90,10,20

The screenshot shows a Java development environment with a code editor and a terminal window.

**Code Editor (Test.java):**

```
1 package org.test;
2
3 import java.util.ArrayList;
4 import java.util.Collections;
5 import java.util.HashSet;
6 import java.util.LinkedHashSet;
7 import java.util.LinkedList;
8 import java.util.List;
9 import java.util.Set;
10 import java.util.TreeSet;
11 import java.util.Vector;
12
13 public class Test {
14     public static void main(String[] args) {
15         Set<Integer> a = new LinkedHashSet();
16         a.add(105);
17         a.add(205);
18         a.add(305);
19         a.add(405);
20         a.add(505);
21         a.add(605);
22         a.add(705);
23         a.add(805);
24         a.add(505);
25         a.add(605);
26         for (Integer i: a) {
27             System.out.println(i);
28         }
29     }
30 }
31
32 ``
```

**Console:**

```
<terminated> Test (t)
105
205
305
405
505
605
705
805
```

The screenshot shows a Java IDE interface. On the left is the code editor window titled "Test.java" containing the following Java code:

```
1 package org.test;
2
3 import java.util.ArrayList;
4 import java.util.Collections;
5 import java.util.HashSet;
6 import java.util.LinkedHashSet;
7 import java.util.LinkedList;
8 import java.util.List;
9 import java.util.Set;
10 import java.util.TreeSet;
11 import java.util.Vector;
12
13 public class Test {
14     public static void main(String[] args) {
15         Set<Integer> a = new HashSet();
16         a.add(10);
17         a.add(20);
18         a.add(30);
19         a.add(40);
20         a.add(50);
21         a.add(60);
22         a.add(70);
23         a.add(80);
24         a.add(90);
25         a.add(10);
26         a.add(20);
27
28
29         for (Integer i: a) {
30             System.out.println(i);
31         }
32     }
33 }
34
35 }
36
37 }
```

On the right is the "Console" window titled "<terminated> Test" which displays the output of the program:

```
80
50
20
70
40
10
90
60
30
```

QUESTION 4:

-----

QUESTION 4.1:

-----

Description : Create a new HashSet with values and return the common values

Input : List = 10,20,30,90,10,10,40,50

Input : List = 30,40,50,60,80

QUESTION 4.2:

-----

Description : Create a new LinkedHashSet with values and return the common values

Input : List = 10,20,30,90,10,10,40,50

Input : List = 10,20,60,50,40,70,80,90

QUESTION 4.3:

-----

Description : Create a new TreeSet with values and return the common values

Input : List = 10,20,30,40,50,60,70,80

Input : List = 100,200,300,400,500,600,700,8000

```
Test.java ✘ | Console ✘
6 import java.util.LinkedHashSet;
7 import java.util.LinkedList;
8 import java.util.List;
9 import java.util.Set;
10 import java.util.TreeSet;
11 import java.util.Vector;
12
13 public class Test {
14     public static void main(String[] args) {
15         Set<Integer> a =new LinkedHashSet();
16         a.add(10);
17         a.add(20);
18         a.add(30);
19         a.add(90);
20         a.add(10);
21         a.add(10);
22         a.add(40);
23         a.add(50);
24
25 Set<Integer>a1 =new LinkedHashSet();
26 a1.add(10);
27 a1.add(20);
28 a1.add(60);
29 a1.add(50);
30 a1.add(40);|
31 a1.add(70);
32 a1.add(80);
33 a1.add(90);
34 a.retainAll(a1);
35 System.out.println(a);
36 }
37
38 }
```

The screenshot shows a Java development environment with two tabs open: "Test.java" and "Console".

The code in "Test.java" is as follows:

```
1 package org.test;
2
3 import java.util.ArrayList;
4 import java.util.Collections;
5 import java.util.HashSet;
6 import java.util.LinkedHashSet;
7 import java.util.LinkedList;
8 import java.util.List;
9 import java.util.Set;
10 import java.util.TreeSet;
11 import java.util.Vector;
12
13 public class Test {
14     public static void main(String[] args) {
15
16         Set<Integer> a =new HashSet();
17         a.add(10);
18         a.add(20);
19         a.add(30);
20         a.add(90);
21         a.add(10);
22         a.add(10);
23         a.add(40);
24         a.add(50);
25
26     Set<Integer>a1 =new HashSet();
27     a1.add(30);
28     a1.add(40);
29     a1.add(50);
30     a1.add(60);
31     a1.add(80);
32
33     a.retainAll(a1);
34     System.out.println(a);
35 }
36
37 }
```

The "Console" tab shows the output of the program:

```
<terminated> Test [50, 40, 30]
```

The screenshot shows a Java IDE interface. On the left, the code editor displays `Test.java` with the following content:

```
1 package org.test;
2
3 import java.util.ArrayList;
4 import java.util.Collections;
5 import java.util.HashSet;
6 import java.util.LinkedHashSet;
7 import java.util.LinkedList;
8 import java.util.List;
9 import java.util.Set;
10 import java.util.TreeSet;
11 import java.util.Vector;
12
13 public class Test {
14     public static void main(String[] args) {
15         Set<Integer> a =new TreeSet();
16         a.add(10);
17         a.add(20);
18         a.add(30);
19         a.add(40);
20         a.add(50);
21         a.add(60);
22         a.add(70);
23         a.add(80);
24
25     Set<Integer>a1 =new TreeSet();
26     a1.add(100);
27     a1.add(200);
28     a1.add(300);
29     a1.add(400);
30     a1.add(500);
31     a1.add(600);
32     a1.add(700);
33     a1.add(800);
34     a.retainAll(a1);
35     System.out.println(a);
36 }
37
38 }
```

On the right, the **Console** tab shows the output:

```
<terminated> []

```

QUESTION 5:

-----  
QUESTION 5.1:

-----  
Description : Create a new HashSet with values and perform removeAll() function

Input : List = 10,20,30,90,10,10,40,50  
Input : List = 30,40,50,60,80

QUESTION 5.2:

-----  
Description : Create a new LinkedHashSet with values and perform removeAll() function

Input : List = 10,20,30,90,10,10,40,50  
Input : List = 10,20,60,50,40,70,80,90

QUESTION 5.3:

-----  
Description : Create a new TreeSet with values and perform removeAll() function

Input : List = 10,20,30,40,50,60,70,80

Input : List = 100,200,300,400,500,600,700,8000

The screenshot shows an IDE interface with two main panes. The left pane displays the code for a Java class named 'Test'. The right pane shows the output of the program's execution.

```
1 package org.test;
2
3 import java.util.ArrayList;
4 import java.util.Collections;
5 import java.util.HashSet;
6 import java.util.LinkedHashSet;
7 import java.util.LinkedList;
8 import java.util.List;
9 import java.util.Set;
10 import java.util.TreeSet;
11 import java.util.Vector;
12
13 public class Test {
14     public static void main(String[] args) {
15         Set<Integer> a =new LinkedHashSet();
16         a.add(10);
17         a.add(20);
18         a.add(30);
19         a.add(90);
20         a.add(10);
21         a.add(10);
22         a.add(40);
23         a.add(50);
24
25     Set<Integer>a1 =new LinkedHashSet();
26     a1.add(10);
27     a1.add(20);
28     a1.add(60);
29     a1.add(50);
30     a1.add(40);
31     a1.add(70);
32     a1.add(80);
33     a1.add(90);
34     a.removeAll(a1);
35     System.out.println(a);
36 }
37
38 }
```

The 'Console' tab on the right shows the output of the program:

```
<terminated> T
[30]
```

The screenshot shows a Java application window with two tabs: "Test.java" and "Console".

**Test.java:**

```
1 package org.test;
2
3 import java.util.ArrayList;
4 import java.util.Collections;
5 import java.util.HashSet;
6 import java.util.LinkedHashSet;
7 import java.util.LinkedList;
8 import java.util.List;
9 import java.util.Set;
10 import java.util.TreeSet;
11 import java.util.Vector;
12
13 public class Test {
14     public static void main(String[] args) {
15         Set<Integer> a = new HashSet();
16         a.add(10);
17         a.add(20);
18         a.add(30);
19         a.add(90);
20         a.add(10);
21         a.add(10);
22         a.add(40);
23         a.add(50);
24
25     Set<Integer> a1 = new HashSet();
26     a1.add(30);
27     a1.add(40);
28     a1.add(50);
29     a1.add(60);
30     a1.add(80);
31     a.removeAll(a1);
32     System.out.println(a);
33 }
34
35 }
36
37
```

**Console:**

```
<terminated> Test (6)
[20, 10, 90]
```

The screenshot shows a Java IDE interface. On the left, there is a code editor window titled "test (b)" containing the following Java code:

```
4 import java.util.Collections;
5 import java.util.HashSet;
6 import java.util.LinkedHashSet;
7 import java.util.LinkedList;
8 import java.util.List;
9 import java.util.Set;
10 import java.util.TreeSet;
11 import java.util.Vector;
12
13 public class Test {
14     public static void main(String[] args) {
15         Set<Integer> a =new TreeSet();
16         a.add(10);
17         a.add(20);
18         a.add(30);
19         a.add(40);
20         a.add(50);
21         a.add(60);
22         a.add(70);
23         a.add(80);
24
25         Set<Integer>a1 =new TreeSet();
26         a1.add(100);
27         a1.add(200);
28         a1.add(300);
29         a1.add(400);
30         a1.add(500);
31         a1.add(600);
32         a1.add(700);
33         a1.add(800);
34         a.removeAll(a1);
35         System.out.println(a);
36     }
37
38 }
39
```

On the right, there is a "Console" window showing the output of the program:

```
<terminated> Test (6) [Java Application] C:\Us
[10, 20, 30, 40, 50, 60, 70, 80]
```

**QUESTION 6:**

Description: Create a userdefine Set and insert the 10 employee details  
Input : empId,name,phone,address,dob,doj,eMail,gender,Sal  
Output: Using scanner class insert 10 employee details

**QUESTION 7:**

Description: Create a userdefine Set and insert the 10 Student details  
Key : stdId,stdName,stdPhone,address,dOB,eMail,gender  
Give the related values for key for each Student

DAY9:

- 
- 1.Map and types
  - 2.User define Map

QUESTIONS(practical)

-----

QUESTION 1.1:

Description : Create a HashMap with the below key and values

key : 10,20,30,40,50,60,10,50,40

values : java,sql,oops,Sql,oracle,DB,selenium,pgsql,Hadoop,

-----

QUESTION 1.2:

Description : Create a LinkedHashMap with the below key and values

key : 10,20,30,40,50,60,10,50,40

Values : 10,20,30,40,50,60,10,50,40

-----

QUESTION 1.3:

Description : Create a TreeMap with the below key and values

key : !,@,#,\$,%,&,\*,(,

Values : 10,20,30,40,50,60,10,50,40

-----

QUESTION 1.4:

Description : Create a HashTable with the below key and values

Key : vel,Ganesh,Dinesh,Vengat,subash

Values : Selenium,framework,oracle,corejava,jira

The screenshot shows the Eclipse IDE interface. The top bar has tabs for 'Test3.java' and 'Test2.java'. The main editor window displays the following Java code:

```
1 package org.test;
2
3 import java.util.Map;
4 import java.util.TreeMap;
5
6 public class Test3 {
7     public static void main(String[] args) {
8
9
10    Map<String, Integer> a = new TreeMap();
11    a.put("!", 10);
12    a.put("@", 20);
13    a.put("#", 30);
14    a.put("$", 40);
15    a.put("%", 50);
16    a.put("^", 60);
17    a.put("&", 10);
18    a.put("*", 50);|
19    a.put("(", 40);
20    System.out.println(a);
21 }
22 }//key      : !,@,#,$,%,&,*,(
23 //          Values : 10,20,30,40,50,60,10,50,40
24
```

The cursor is at line 18, character 11, where the character '\*' is being typed. The console window below shows the output of the program:

```
<terminated> Test3 [Java Application] C:\Users\navee\p2\pool\plugins\org.eclipse.justj.openjdk.hots
{!=10, #=30, $=40, %=50, &=10, (=40, *=50, @=20, ^=60}
```

```
Test2.java ✘
1 package org.test;
2
3 import java.util.LinkedHashMap;
4 import java.util.Map;
5
6 public class Test2 {
7     public static void main(String[] args) {
8         Map<Integer, Integer> q = new LinkedHashMap();
9         q.put(10, 20);
10        q.put(20, 20);
11        q.put(30, 30);
12        q.put(40, 40);
13        q.put(50, 50);
14        q.put(60, 60);
15        q.put(10, 50);
16        q.put(50, 40);
17        q.put(40, 40);
18        System.out.println(q);
19    }
20}
21
22}
```

```
Console ✘
<terminated> Test2 [Java Application] C:\Users\navee\p2\pool\plugins\org.eclipse.jdt.core\src\org\test\Test2.java:14: error: incompatible types: Object cannot be converted to Map<Integer, Integer>
        System.out.println(q);
                                         ^
1 error
```

Test.java

```
1 package org.test;
2
3 import java.util.ArrayList;
4
5 public class Test {
6     public static void main(String[] args) {
7
8         Map<Integer, String> q = new HashMap();
9         q.put(10, "java");
10        q.put(20, "sql");
11        q.put(30, "oops");
12        q.put(40, "sql");
13        q.put(50, "oracle");
14        q.put(60, "DB");
15        q.put(10, "selenium");
16        q.put(50, "pgsql");
17        q.put(40, "Hadoop");
18        System.out.println(q);
19    }
20}
21
22
23
24
25
26
27
28
29
30
31
```

Console

```
<terminated> Test (6) [Java Application] C:\Users\navee\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.v
{50=pgsql, 20=sql, 40=Hadoop, 10=selenium, 60=DB, 30=oops}
```

Test4.java

```
1 package org.test;
2
3 import java.util.Hashtable;
4 import java.util.Map;
5
6 public class Test4 {
7     public static void main(String[] args) {
8         Map<String, String> u= new Hashtable();
9         u.put("vel", "Selenium");
10        u.put("Ganesh", "framework");
11        u.put("Dinesh", "oracle");
12        u.put("Venkat", "corejava");
13        u.put("subash", "jira");
14        System.out.println(u);
15
16    }
17
18
19}
```

Console

```
<terminated> Test4 [Java Application] C:\Users\navee\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jr
{Ganesh=framework, Venkat=corejava, vel=Selenium, Dinesh=oracle, subash=jira}
```

QUESTION 2:

-----  
QUESTION 2.1:  
-----

Description : Create a HashMap with the below key and values and get(print) the key only in the map.

key : 10,20,30,40,50,60,10,50,40

values : java,sql,oops,Sql,oracle,DB,selenium,pgsql,Hadoop.

QUESTION 2.2:  
-----

Description : Create a LinkedHashMap with the below key and values and get(print) the key only in the map.

key : 10,20,30,40,50,60,10,50,40

Values : 10,20,30,40,50,60,10,50,40

QUESTION 2.3:  
-----

Description : Create a TreeMap with the below key and values and get(print) the key only in the map.

key : !,@,#,\$,%,&,\*,(),

Values : 10,20,30,40,50,60,10,50,409

QUESTION 2.4:  
-----

Description : Create a HashTable with the below key and values and get(print) the key only in the map.

Key : vel,Ganesh,Dinesh,Vengat,subash

Values : Selenium,framework,oracle,corejava,jira

The screenshot shows the Eclipse IDE interface. The top bar has tabs for 'Test2.java' and '\*Test3.java'. The code editor window displays 'Test3.java' with the following content:

```
1 package org.test;
2 import java.util.Map;
3 import java.util.Set;
4 import java.util.TreeMap;
5 import java.util.Map.Entry;
6 public class Test3 {
7     public static void main(String[] args) {
8         Map<String, Integer> a = new TreeMap();
9         a.put("!", 10);
10        a.put("@", 20);
11        a.put("#", 30);
12        a.put("$", 40);
13        a.put("%", 50);
14        a.put("^", 60);
15        a.put("&", 10);
16        a.put("*", 50);
17        a.put("(", 40);
18        Set<Entry<String, Integer>> entrySet = a.entrySet();
19        for (Entry<String, Integer> entry : entrySet) {
20            System.out.println(entry.getKey());
21        }
22    }
23 }
```

The 'Console' tab at the bottom shows the output of the program:

```
<terminated> Test2 [Java Application] C:\Users\navee\p2\pool\plugins\org.eclipse.justj.ope
10
20
30
40
50
60
```

```
Test2.java ✘
1 package org.test;
2
3 import java.util.LinkedHashMap;
4
5 public class Test2 {
6     public static void main(String[] args) {
7         Map<Integer, Integer> q = new LinkedHashMap();
8         q.put(10, 20);
9         q.put(20, 20);
10        q.put(30, 30);
11        q.put(40, 40);
12        q.put(50, 50);
13        q.put(60, 60);
14        q.put(10, 50);
15        q.put(50, 40);
16        q.put(40, 40);
17        Set<Entry<Integer, Integer>> entrySet = q.entrySet();
18        for (Entry<Integer, Integer> entry : entrySet) {
19            System.out.println(entry.getKey());
20        }
21    }
22 }
23
24
25
26
27 }
28 //key      10 20 20 10 50 60 10 50 10
```

```
Console ✘
<terminated> Test2 [Java Application] C:\Users\navee\.p2\pool\plugins\org.eclipse.justj.openjdk.hc
10
20
30
40
50
60
```

```
Test.java ✘
1 package org.test;
2
3 import java.util.ArrayList;
4
5 public class Test {
6     public static void main(String[] args) {
7
8         Map<Integer, String> q = new HashMap();
9         q.put(10, "java");
10        q.put(20, "sql");
11        q.put(30, "oops");
12        q.put(40, "sql");
13        q.put(50, "oracle");
14        q.put(60, "DB");
15        q.put(10, "selenium");
16        q.put(50, "pgsql");
17        q.put(40, "Hadoop");
18        Set<Entry<Integer, String>> entrySet = q.entrySet();
19        for (Entry<Integer, String> entry : entrySet) {
20            System.out.println(entry.getKey());
21        }
22    }
23 }
24
25
26
27
28
29
30
31
32
33
34
35
36
```

```
Console ✘
<terminated> Test (6) [Java Application] C:\Users\navee\.p2\pool\plugins\org.eclipse.jus
50
20
40
10
60
30
```

```
Test4.java ✘
1 package org.test;
2
3+ import java.util.Hashtable;
4
5
6 public class Test4 {
7     public static void main(String[] args) {
8         Map<String, String> u= new Hashtable();
9         u.put("vel", "Selenium");
10        u.put("Ganesh", "framework");
11        u.put("Dinesh", "oracle");
12        u.put("Venkat", "corejava");
13        u.put("subash", "jira");
14        Set<Entry<String, String>> entrySet = u.entrySet();
15        for (Entry<String, String> entry : entrySet) {
16            System.out.println(entry.getKey());
17        }
18    }
19
20}
21
22
23}
24

Console ✘
<terminated> Test4 [Java Application] C:\Users\navee\p2\pool\plugins\org.eclipse.justj.openjdk.hc
Ganesh
Venkat
vel
Dinesh
subash
```

QUESTION 3:

-----  
QUESTION 3.1:

-----  
Description : Create a HashMap with the below key and values and get(print) the values only in the map.

key : 10,20,30,40,50,60,10,50,40  
values : java,sql,oops,Sql,oracle,DB,selenium,pgsql,Hadoop.

-----  
QUESTION 3.2:

-----  
Description : Create a LinkedHashMap with the below key and values and get(print) the values only in the map.

key : 10,20,30,40,50,60,10,50,40  
Values : 10,20,30,40,50,60,10,50,40

-----  
QUESTION 3.3:

-----  
Description : Create a TreeMap with the below key and values and get(print) the values only in the map.

key : !,@,#,\$,%,&,\*,(,

Values : 10,20,30,40,50,60,10,50,409

QUESTION 3.4:

-----  
Description : Create a HashTable with the below key and values and  
get(print) the key only in the map.

Key : vel,Ganesh,Dinesh,Vengat,subash

Values : Selenium,framework,oracle,corejava,jira

```
Test3.java ✘
1 package org.test;
2 import java.util.Map;
3
4 public class Test3 {
5     public static void main(String[] args) {
6         Map<String, Integer> a = new TreeMap();
7         a.put("!", 10);
8         a.put("@", 20);
9         a.put("#", 30);
10        a.put("$", 40);
11        a.put("%", 50);
12        a.put("^", 60);
13        a.put("&", 10);
14        a.put("*", 50);
15        a.put("(", 40);
16        Set<Entry<String, Integer>> entrySet = a.entrySet();
17        for (Entry<String, Integer> entry : entrySet) {
18            System.out.println(entry.getValue());
19        }
20    }
21 }
22 }
23 }
```

```
Console ✘
<terminated> Test3 [Java Application] C:\Users\navee\.p2\pool\plugins\org.eclipse.justj.openjdk.hots
10
30
40
50
10
40
50
20
60
```

The screenshot shows the Eclipse IDE interface with two open views: 'Test2.java' and 'Console'.

**Test2.java** content:

```
1 package org.test;
2
3 import java.util.LinkedHashMap;
4
5 public class Test2 {
6     public static void main(String[] args) {
7         Map<Integer, Integer> q = new LinkedHashMap();
8         q.put(10, 20);
9         q.put(20, 20);
10        q.put(30, 30);
11        q.put(40, 40);
12        q.put(50, 50);
13        q.put(60, 60);
14        q.put(10, 50);
15        q.put(50, 40);
16        q.put(40, 40);
17        Set<Entry<Integer, Integer>> entrySet = q.entrySet();
18        for (Entry<Integer, Integer> entry : entrySet) {
19            System.out.println(entry.getValue());
20        }
21    }
22 }
23 }
```

**Console** output:

```
<terminated> Test2 [Java Application] C:\Users\navee\p2\pool\plugins\org.eclipse.justj.openjdk.hotspo
50
20
30
40
40
60
```

```
Test.java ✘
1 package org.test;
2
3 import java.util.ArrayList;
4
5 public class Test {
6     public static void main(String[] args) {
7
8         Map<Integer, String> q = new HashMap();
9         q.put(10, "java");
10        q.put(20, "sql");
11        q.put(30, "oops");
12        q.put(40, "sql");
13        q.put(50, "oracle");
14        q.put(60, "DB");
15        q.put(10, "selenium");
16        q.put(50, "psql");
17        q.put(40, "Hadoop");
18        Set<Entry<Integer, String>> entrySet = q.entrySet();
19        for (Entry<Integer, String> entry : entrySet) {
20            System.out.println(entry.getValue());
21        }
22    }
23 }
24 }
```

```
Console ✘
<terminated> Test (6) [Java Application] C:\Users\navee\.p2\pool\plugins\org.eclipse.justj.o
psql
sql
Hadoop
selenium
DB
oops
```

```
Test4.java ✘
1 package org.test;
2
3④ import java.util.Hashtable;□
4
5
6 public class Test4 {
7     public static void main(String[] args) {
8         Map<String, String> u= new Hashtable();
9         u.put("vel", "Selenium");
10        u.put("Ganesh", "framework");
11        u.put("Dinesh", "oracle");
12        u.put("Venkat", "corejava");
13        u.put("subash", "jira");
14        Set<Entry<String, String>> entrySet = u.entrySet();
15        for (Entry<String, String> entry : entrySet) {
16            System.out.println(entry.getValue());
17        }
18    }
19
20}
21
22
23 }
24
```

```
Console ✘
<terminated> Test4 [Java Application] C:\Users\navee\.p2\pool\plugins\org.eclipse.justj.open
framework
corejava
Selenium
oracle
jira
```

QUESTION 4:

QUESTION 4.1:

Description : Create a HashMap with the below key and values and iterate it using enhanced for loop.

key	: 10,20,30,40,50,60,10,50,40
values	: java,sql,oops,Sql,oracle,DB,selenium,pgsql,Hadoop,

QUESTION 4.2:

Description : Create a LinkedHashMap with the below key and values and iterate it using enhanced for loop.

key	: 10,20,30,40,50,60,10,50,40
Values	: 10,20,30,40,50,60,10,50,40

QUESTION 4.3:

Description : Create a TreeMap with the below key and values and iterate it using enhanced for loop.

key	: !,@,#,\$,%,&,*,(,
-----	---------------------

Values : 10,20,30,40,50,60,10,50,409

QUESTION 4.4:

-----  
Description : Create a HashTable with the below key and values and iterate it using enhanced for loop.

Key : vel,Ganesh,Dinesh,Vengat,subash

Values : Selenium,framework,oracle,corejava,jira

```
Test3.java ✘
1 package org.test;
2 import java.util.Map;
3 public class Test3 {
4     public static void main(String[] args) {
5         Map<String, Integer> a = new TreeMap();
6         a.put("!", 10);
7         a.put("@", 20);
8         a.put("#", 30);
9         a.put("$", 40);
10        a.put("%", 50);
11        a.put("^", 60);
12        a.put("&", 10);
13        a.put("*", 50);
14        a.put("(", 40);
15        Set<Entry<String, Integer>> entrySet = a.entrySet();
16        for (Entry<String, Integer> entry : entrySet) {
17            System.out.println(entry);
18        }
19    }
20 }
21 }
```

```
Console ✘
<terminated> Test3 [Java Application] C:\Users\navee\.p2\pool\plugins\org.eclipse
!=10
#=30
$=40
%=50
&=10
(=40
*=50
@=20
^=60
```

The screenshot shows the Eclipse IDE interface with two open windows:

- Test2.java**: The code is a Java application named `Test2`. It imports `java.util.LinkedHashMap` and defines a class `Test2` with a `main` method. The `main` method creates a `LinkedHashMap` and puts several integer pairs into it. It then iterates over the entry set and prints each value.
- Console**: The output window shows the terminal session for the application. The output consists of six lines of text, each showing a key-value pair from the map: `10=50`, `20=20`, `30=30`, `40=40`, `50=40`, and `60=60`.

```
1 package org.test;
2
3 import java.util.LinkedHashMap;
4
5
6 public class Test2 {
7     public static void main(String[] args) {
8         Map<Integer, Integer> q = new LinkedHashMap();
9         q.put(10, 20);
10        q.put(20, 20);
11        q.put(30, 30);
12        q.put(40, 40);
13        q.put(50, 50);
14        q.put(60, 60);
15        q.put(10, 50);
16        q.put(50, 40);
17        q.put(40, 40);
18        Set<Entry<Integer, Integer>> entrySet = q.entrySet();
19        for (Entry<Integer, Integer> entry : entrySet) {
20            System.out.println(entry.getValue());
21        }
22    }
23
24
25 }
26
```

```
<terminated> Test2 [Java Application] C:\Users\navee\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64\bin>
10=50
20=20
30=30
40=40
50=40
60=60
```

Test2.java

```
1 package org.test;
2
3 import java.util.LinkedHashMap;
4
5 public class Test2 {
6     public static void main(String[] args) {
7         Map<Integer, Integer> q = new LinkedHashMap();
8         q.put(10, 20);
9         q.put(20, 20);
10        q.put(30, 30);
11        q.put(40, 40);
12        q.put(50, 50);
13        q.put(60, 60);
14        q.put(10, 50);
15        q.put(50, 40);
16        q.put(40, 40);
17        Set<Entry<Integer, Integer>> entrySet = q.entrySet();
18        for (Entry<Integer, Integer> entry : entrySet) {
19            System.out.println(entry);
20        }
21    }
22 }
23
24 }
```

Console

```
<terminated> Test2 [Java Application] C:\Users\navee\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.wi
10=50
20=20
30=30
40=40
50=40
60=60
```

```
Test.java ✘
1 package org.test;
2
3④ import java.util.ArrayList;⑤
16
17 public class Test {
18    public static void main(String[] args) {
19
20        Map<Integer, String> q =new HashMap();
21        q.put(10, "java");
22        q.put(20, "sql");
23        q.put(30, "oops");
24        q.put(40, "sql");
25        q.put(50, "oracle");
26        q.put(60, "DB");
27        q.put(10, "selenium");
28        q.put(50, "pgsql");
29        q.put(40, "Hadoop");
30        Set<Entry<Integer, String>> entrySet = q.entrySet();
31        for (Entry<Integer, String> entry : entrySet) {
32            System.out.println(entry);
33        }
34    }
35}
36
```

### Console ✘

```
<terminated> Test (6) [Java Application] C:\Users\navee\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot
50=pgsql
20=sql
40=Hadoop
10=selenium
60=DB
30=oops
```

```
Test4.java
1 package org.test;
2
3+ import java.util.Hashtable;
4
5
6 public class Test4 {
7     public static void main(String[] args) {
8         Map<String, String> u= new Hashtable();
9         u.put("vel", "Selenium");
10        u.put("Ganesh", "framework");
11        u.put("Dinesh", "oracle");
12        u.put("Venkat", "corejava");
13        u.put("subash", "jira");
14        Set<Entry<String, String>> entrySet = u.entrySet();
15        for (Entry<String, String> entry : entrySet) {
16            System.out.println(entry);
17        }
18    }
19
20}
21
22}
23}
24
```

```
Console
<terminated> Test4 [Java Application] C:\Users\navee\.p2\pool\plugins\org.eclipse.justj.openjdk.java_11.0.1_v20200922-1400\lib\jre\bin\java.exe
Ganesh=framework
Venkat=corejava
vel=Selenium
Dinesh=oracle
subash=jira
```

QUESTION 5:

QUESTION 5.1:

Description : Create a HashMap with the below key and values and iterate it using enhanced for loop and get the key and values combination.

key	:	10,20,30,40,50,60,10,50,40
values	:	java,sql,oops,Sql,oracle,DB,selenium,pgsql,Hadoop,

Sample Output:

-----

10

java

20

sql

30

oops

40

sql

Description : like this you have to iterate the map

QUESTION 5.2:

-----

Description : Create a LinkedHashMap with the below key and values and iterate it using enhanced for loop and get the key and values combination..

key : 10,20,30,40,50,60,10,50,40
Values : 10,20,30,40,50,60,10,50,40

QUESTION 5.3:

Description : Create a TreeHashMap with the below key and values and iterate it using enhanced for loop and get the key and values combination.

key : !,@,#,\$,%,&,*,(,
Values : 10,20,30,40,50,60,10,50,409

QUESTION 5.4:

Description : Create a HashTable with the below key and values and iterate it using enhanced for loop and get the key and values combination.

Key : vel,Ganesh,Dinesh,Vengat,subash
Values : Selenium,framework,oracle,corejava,jira

The screenshot shows a Java development environment with two windows: a code editor and a terminal window.

**Code Editor (Test3.java):**

```
1 package org.test;
2 import java.util.Map;
3 public class Test3 {
4     public static void main(String[] args) {
5         Map<String, Integer> a = new TreeMap();
6         a.put("!", 10);
7         a.put("@", 20);
8         a.put("#", 30);
9         a.put("$", 40);
10        a.put("%", 50);
11        a.put("^", 60);
12        a.put("&", 10);
13        a.put("*", 50);
14        a.put("//", 40);
15        Set<Entry<String, Integer>> entrySet = a.entrySet();
16        for (Entry<String, Integer> entry : entrySet) {
17            System.out.println(entry.getKey());
18            System.out.println(entry.getValue());
19        }
20    }
21 }
22 }
```

**Terminal (Console):**

```
<terminated> Test3
!
10
#
30
$
40
%
50
&
10
(
40
*
50
@
20
^
60
```

The screenshot shows the Eclipse IDE interface with the following details:

- Editor View (Test2.java):** Displays the Java code for `Test2`. The code creates a `LinkedHashMap` and prints its entries to the console. The code is as follows:

```
1 package org.test;
2
3 import java.util.LinkedHashMap;
4
5 public class Test2 {
6     public static void main(String[] args) {
7         Map<Integer, Integer> q = new LinkedHashMap();
8         q.put(10, 20);
9         q.put(20, 20);
10        q.put(30, 30);
11        q.put(40, 40);
12        q.put(50, 50);
13        q.put(60, 60);
14        q.put(10, 50);
15        q.put(50, 40);
16        q.put(40, 40);
17        Set<Entry<Integer, Integer>> entrySet = q.entrySet();
18        for (Entry<Integer, Integer> entry : entrySet) {
19            System.out.println(entry.getKey());
20            System.out.println(entry.getValue());
21        }
22    }
23 }
24 }
```

- Console View:** Shows the output of the application. The output is:  
10  
50  
20  
20  
30  
30  
40  
40  
50  
40  
60  
60

The screenshot shows the Eclipse IDE interface. The top part is the Java code editor for a file named 'Test.java'. The code defines a class 'Test' with a main method that prints key-value pairs from a HashMap. The bottom part is the 'Console' tab, which displays the output of the program's execution.

```
1 package org.test;
2
3+ import java.util.ArrayList;[]
16
17 public class Test {
18     public static void main(String[] args) {
19
20         Map<Integer, String> q =new HashMap();
21         q.put(10, "java");
22         q.put(20, "sql");
23         q.put(30, "oops");
24         q.put(40, "sql");
25         q.put(50, "oracle");
26         q.put(60, "DB");
27         q.put(10, "selenium");
28         q.put(50, "psql");
29         q.put(40, "Hadoop");
30         Set<Entry<Integer, String>> entrySet = q.entrySet();
31         for (Entry<Integer, String> entry : entrySet) {
32             System.out.println(entry.getKey());
33             System.out.println(entry.getValue());
34         }
35     }
36 }
```

```
<terminated> Test (6) [Java Application] C:\Users\navee\.p2\pool\plugins\org.eclipse.justj.ope
50
psql
20
sql
40
Hadoop
10
selenium
60
DB
30
oops
```

The screenshot shows an IDE interface with two main panes. On the left is the code editor for `Test4.java`, and on the right is the console window.

**Code Editor (Test4.java):**

```
1 package org.test;
2
3 import java.util.Hashtable;
4
5 public class Test4 {
6     public static void main(String[] args) {
7         Map<String, String> u = new Hashtable();
8         u.put("vel", "Selenium");
9         u.put("Ganesh", "framework");
10        u.put("Dinesh", "oracle");
11        u.put("Venkat", "corejava");
12        u.put("subash", "jira");
13        Set<Entry<String, String>> entrySet = u.entrySet();
14        for (Entry<String, String> entry : entrySet) {
15            System.out.println(entry.getKey());
16            System.out.println(entry.getValue());
17        }
18    }
19 }
20 }
```

**Console Output:**

```
<terminated> Test4
Ganesh
framework
Venkat
corejava
vel
Selenium
Dinesh
oracle
subash
jira
```

**QUESTION 6:**

Description: Create a userdefine Map and insert the 10 employee details  
Key : empId, name, phone, address, dob, doj, eMail, gender, Sal  
Give the related values for key for each employee

**QUESTION 7:**

Description: Create a userdefine Map and insert the 10 Student details  
Key : stdId, stdName, stdPhone, address, dOB, eMail, gender  
Give the related values for key for each Student

DAY10:  
-----  
1.Exception  
2.throw and throws  
3.User define exception

QUESTIONS (Programs)

QUESTION 1:

Description : Find the output for the program:

```
public class Test
{
    public static void main(String[] args)
    {
        try
        {
            System.out.printf("1");
            int sum = 9 / 0;
            System.out.printf("2");
        }
        catch(ArithmaticException e)
        {
            System.out.printf("3");
        }
        catch(Exception e)
        {
            System.out.printf("4");
        }
        finally
        {
            System.out.printf("5");
        }
    }
}
```

QUESTION 2:

Description : Find the output for the program:

```
public class Test
{
    private void m1()
    {
        m2();
        System.out.printf("1");
    }
    private void m2()
    {
        m3();
        System.out.printf("2");
    }
    private void m3()
    {
        System.out.printf("3");
    }
    try
    {
        int sum = 4/0;
    }
```

```

        System.out.printf("4");
    }
catch(ArithmetricException e)
{
    System.out.printf("5");
}

System.out.printf("7");
}
public static void main(String[] args)
{
    Test obj = new Test();
    obj.m1();
}
}

```

QUESTION 3:

Description : Find the output for the program:

```

public class Test
{
public static void main(String[] args)
{
    try
    {
        System.out.printf("1");
        int data = 5 / 0;
    }
catch(ArithmetricException e)
{
    System.out.printf("2");
    System.exit(0);
}
finally
{
    System.out.printf("3");
}
System.out.printf("4");
}
}

```

QUESTION 4:

Description : Find the output for the program:

```

public class Test
{
public static void main(String[] args)
{
    try
    {
        System.out.printf("1");
        int data = 5 / 0;
    }
catch(ArithmetricException e)
{
    Throwble obj = new Throwble("Sample");
    try
    {
        throw obj;
    }
}
}

```

```

        }
    catch (Throwable e1)
    {
        System.out.printf("8");
    }
}
finally
{
    System.out.printf("3");
}
System.out.printf("4");
}
}
}

```

QUESTION 5:

-----  
Description : Find the output for the program:

```

import java.io.EOFException;
import java.io.IOException;

public class Test
{
    public static void main(String[] args)
    {
        try
        {
            System.out.printf("1");
            int value = 10 / 0;
            throw new IOException();
        }
        catch(EOFException e)
        {
            System.out.printf("2");
        }
        catch(ArithmetricException e)
        {
            System.out.printf("3");
        }
        catch(NullPointerException e)
        {
            System.out.printf("4");
        }
        catch(IOException e)
        {
            System.out.printf("5");
        }
        catch(Exception e)
        {
            System.out.printf("6");
        }
    }
}

```

Test.java

```
1 package org.test;
2
3 public class Test {
4     public static void main(String[] args)
5     {
6         try
7         {
8             System.out.printf("1");
9             int data = 5 / 0;
10        }
11    catch(ArithmeticException e)
12    {
13        Throwable obj = new Throwable("Sample");
14        try
15        {
16            throw obj;
17        }
18        catch (Throwable e1)
19        {
20            System.out.printf("8");
21        }
22    }
23    finally
24    {
25        System.out.printf("3");
26    }
27    System.out.printf("4");
28 }
29 }
```

Test.java

```
1 package org.test;
2
3 public class Test {
4     public static void main(String[] args)
5     {
6         try
7         {
8             System.out.printf("1");
9             int data = 5 / 0;
10        }
11    catch(ArithmeticException e)
12    {
13        System.out.printf("2");
14        System.exit(0);
15    }
16    finally
17    {
18        System.out.printf("3");
19    }
20    System.out.printf("4");
21 }
22 }
```

The screenshot shows an IDE interface with two main panes. The left pane displays the code for `Test.java`, and the right pane shows the `Console` output.

**Test.java:**

```
1 package org.test;
2
3 public class Test {
4     private void m1()
5     {
6         m2();
7         System.out.printf("1");
8     }
9     private void m2()
10    {
11        m3();
12        System.out.printf("2");
13    }
14    private void m3()
15    {
16        System.out.printf("3");
17    }
18
19    int sum = 4/0;
20    System.out.printf("4");
21}
22 catch(ArithmException e)
23{
24    System.out.printf("5");
25}
26
27 System.out.printf("7");
28}
29 public static void main(String[] args)
30{
31    Test obj = new Test();
32    obj.m1();
33}
34}
35}
```

**Console Output:**

```
<terminated> Test
35721
```

```
Test.java ✘
1 package org.test;
2
3 public class Test {
4     public static void main(String[] args)
5     {
6         try
7     {
8             System.out.printf("1");
9             int sum = 9 / 0;
10            System.out.printf("2");
11        }
12        catch(ArithmeticException e)
13        {
14            System.out.printf("3");
15        }
16        catch(Exception e)
17        {
18            System.out.printf("4");
19        }
20        finally
21        {
22            System.out.printf("5");
23        }
24    }
25}
26
27
```

```
Console ✘
<terminated> Test (6) [Java Application] C:\Users\navee\p2\pool\p
|135
```

The screenshot shows an IDE interface with two main panes. The left pane displays the Java code for a class named 'Test'. The right pane shows the console output.

```
1 package org.test;
2
3 import java.io.EOFException;
4 import java.io.IOException;
5
6 public class Test {
7     public static void main(String[] args)
8     {
9         try
10     {
11         System.out.printf("1");
12         int value = 10 / 0;
13         throw new IOException();
14     }
15     catch(EOFException e)
16     {
17         System.out.printf("2");
18     }
19     catch(ArithmetricException e)
20     {
21         System.out.printf("3");
22     }
23     catch(NullPointerException e)
24     {
25         System.out.printf("4");
26     }
27     catch(IOException e)
28     {
29         System.out.printf("5");
30     }
31     catch(Exception e)
32     {
33         System.out.printf("6");
34     }
35     }
36 }
```

The console output is as follows:

```
<terminate
13
```

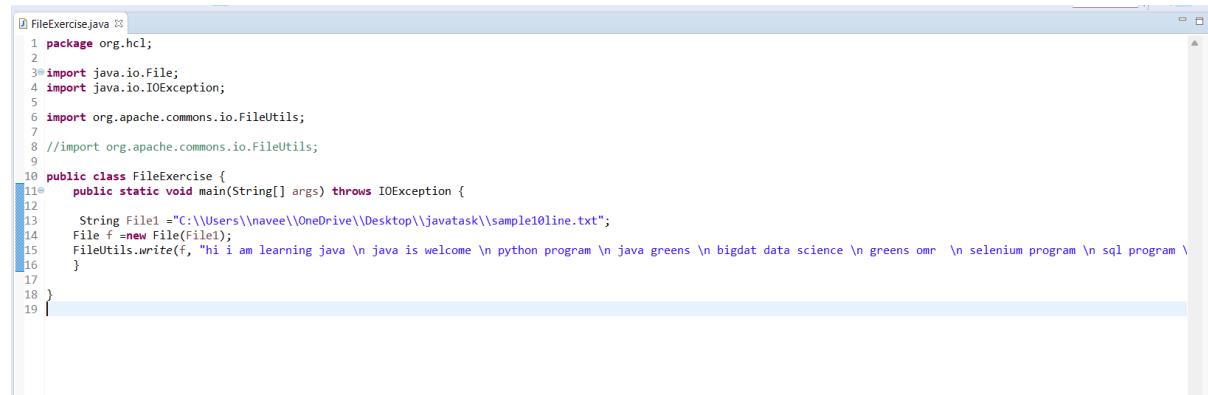
## DAY12-JAVA TASK

File Operation:

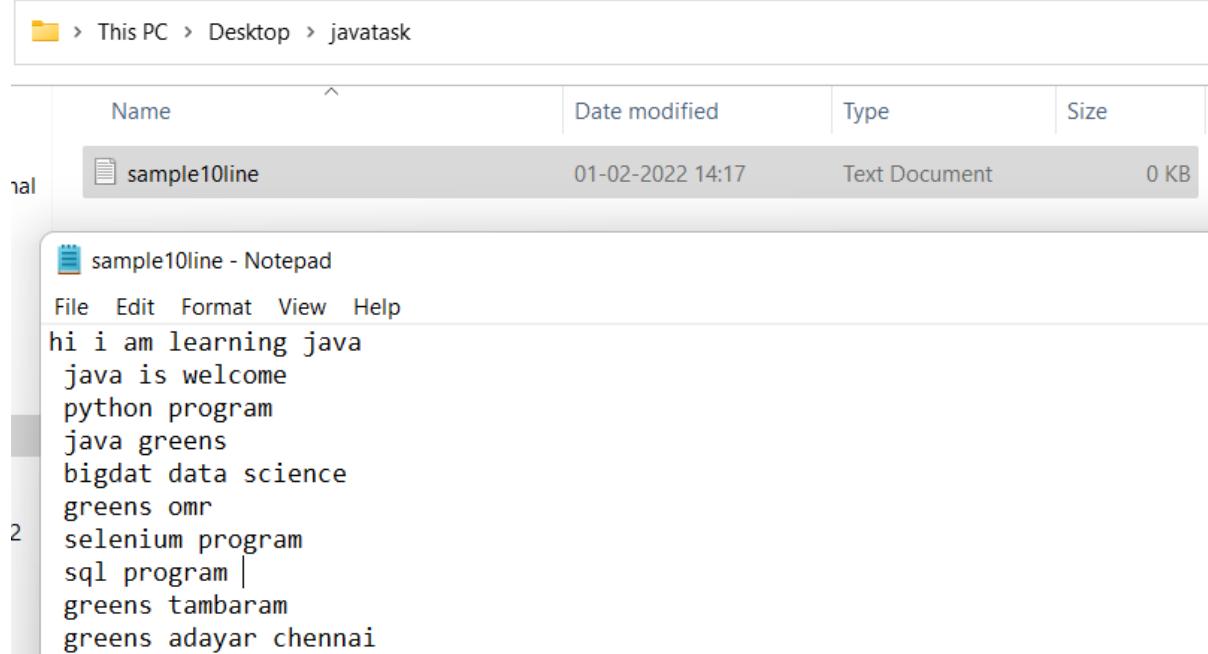
QUESTIONS (Practical)

-----  
QUESTION 1  
-----

NOTE: Create a new file  
write the file with some 10 lines of text.



```
FileExercise.java
1 package org.hcl;
2
3 import java.io.File;
4 import java.io.IOException;
5
6 import org.apache.commons.io FileUtils;
7
8 //import org.apache.commons.io FileUtils;
9
10 public class FileExercise {
11     public static void main(String[] args) throws IOException {
12
13         String File1 ="C:\\\\Users\\\\navee\\\\OneDrive\\\\Desktop\\\\javatask\\\\sample10line.txt";
14         File f =new File(File1);
15         FileUtils.write(f, "hi i am learning java \n java is welcome \n python program \n java greens \n bigdat data science \n greens omr \n selenium program \n sql program \n");
16     }
17
18 }
```



This PC > Desktop > javatask

Name	Date modified	Type	Size
sample10line	01-02-2022 14:17	Text Document	0 KB

sample10line - Notepad

File Edit Format View Help

hi i am learning java  
java is welcome  
python program  
java greens  
bigdat data science  
greens omr  
selenium program  
sql program |  
greens tambaram  
greens adayar chennai

QUESTION 2

-----

NOTE: Retrieve the text from the file  
Check "java" word contains or not?

QUESTION 3

-----

NOTE: Find the row count from the file.

The screenshot shows the Eclipse IDE interface with the following details:

- Editor Tab:** FileExercise.java
- Code Content:**

```
1 package org.hcl;
2
3 import java.io.BufferedReader;
4 import java.io.File;
5 import java.io.FileInputStream;
6 import java.io.FileReader;
7 import java.io.IOException;
8 import java.nio.file.Files;
9 import java.nio.file.Path;
10 import java.nio.file.Paths;
11 import java.util.Scanner;
12
13 import org.apache.commons.io.FileUtils;
14
15 //import org.apache.commons.io.FileUtils;
16
17 public class FileExercise {
18     public static void main(String[] args) throws IOException {
19         File file = new File("D://SampleFile.txt");
20         FileInputStream fis = new FileInputStream(file);
21         byte[] byteArray = new byte[(int)file.length()];
22         fis.read(byteArray);
23         String data = new String(byteArray);
24         String[] stringArray = data.split("\r\n");
25         System.out.println("Number of lines in the file are ::"+stringArray.length);
26     }
27 }
```
- Console Tab:** Shows the output of the program execution.
- Console Output:**

```
<terminated> FileExercise [Java Application] C:\Users\navee\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64\lib\javase\bin\java.exe
Number of lines in the file are ::7
```

QUESTION 4

-----

NOTE: Print the last 5 lines from the file.

The screenshot shows a Java IDE interface. On the left is a code editor window titled "ExeDemo.java" containing Java code. On the right is a "Console" window showing the output of the program. The code in the editor is as follows:

```
1 package org.hcl;
2
3 import java.io.File;
4 import java.io.IOException;
5 import java.io.LineNumberReader;
6 import java.nio.file.Files;
7 import java.nio.file.Path;
8 import java.nio.file.Paths;
9
10 import org.apache.commons.io.input.ReversedLinesFileReader;
11
12 public class ExeDemo {
13
14     public static void main(String[] args) {
15         File file = new File("D:\\SampleFile.txt");
16         int n_lines = 5;
17         int counter = 0;
18         ReversedLinesFileReader object = null;
19         try {
20             object = new ReversedLinesFileReader(file);
21         } catch (IOException e) {
22             // TODO Auto-generated catch block
23             e.printStackTrace();
24         }
25         while(counter < n_lines) {
26             try {
27                 System.out.println(object.readLine());
28             } catch (IOException e) {
29                 // TODO Auto-generated catch block
30                 e.printStackTrace();
31             }
32             counter++;
33         }
34     }
35 }
```

The console output shows the following lines:

```
hi i am learning python10
learning java9
hi i am java8
hi i am learning java7
hi i am learning java6
```

#### QUESTION 5

---

NOTE: Print the odd lines from the file.

```
1 package org.hcl;
2
3 import java.io.BufferedReader;
4 import java.io.File;
5 import java.io.FileReader;
6 import java.io.IOException;
7
8 public class FileOperationPractice {
9     //public static void main(String[] args) {
10     public static void main(String[] args) throws IOException {
11         File fileIn1 = new File("D:\\\\SampleFile.txt");
12
13         try (BufferedReader bf = new BufferedReader(new FileReader(fileIn1))) { //SURROUND WITH try with resources FOR THE EXCEPTIONS
14
15             String readLine;
16             int line = 0;
17
18             while ((readLine = bf.readLine()) != null) {
19                 if (line % 2 != 0) {//CHECKING WHETHER THE ROW IS ODD
20                     System.out.println(readLine);
21                 }
22                 line++;
23             }
24         }
25     }
26 }
```

#### QUESTION 6

---

NOTE: Count the number of duplicate words available in the file.

\*FileOperationPractice.java

```
1 package org.hcl;
2
3 import java.io.File;
4
5 public class FileOperationPractice {
6     public static void main(String[] args) {
7         File file = new File("D:\\Java");
8
9             boolean mkdir = file.mkdir();
10            System.out.println();
11        }
12    }
13
```

QUESTION 7

-----

NOTE: Check directory D:\\Java is available or not.

FileOperationPractice.java

```
1 package org.hcl;
2
3 import java.io.File;
4
5 public class FileOperationPractice {
6     public static void main(String[] args) {
7
8
9         File f =new File ("D:\\Java");
10        boolean exists = f.exists();
11        System.out.println(exists);
12    }
13 }
```

Console

```
<terminated> FileOperationPractice [Java Application] C:\Users\navee\p
true
```

FileOperationPractice.java

```
1 package org.hcl;
2
3 import java.io.File;
4
5 public class FileOperationPractice {
6     public static void main(String[] args) {
7
8
9         try {
10             File file = new File("D:\\Java");
11             file.createNewFile();
12             System.out.println(file.exists());
13         } catch(Exception e) {
14             e.printStackTrace();
15         }
16     }
17
18 }
19
20 }
```

Console

```
<terminated> FileOperationPractice [Java Application] C:\Users\navee\p2\pool\plugins\org.eclip
true
```

QUESTION 8

-----

NOTE: Check directory D:\\Java is available or not.

If not create new directory.

The screenshot shows the Eclipse IDE interface. The top window is titled "FileOperationPractice.java" and contains the following Java code:

```
1 package org.hcl;
2
3 import java.io.File;
4
5 public class FileOperationPractice {
6     public static void main(String[] args) {
7
8
9         File f = new File("D:\\Java\\Selenium\\Material");
10        boolean mkdirs = f.mkdirs();
11        System.out.println(mkdirs);
12    }
13 }
14
```

The "Console" tab shows the output of the application:

```
<terminated> FileOperationPractice [Java Application] C:\Users\navee\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_6
true
```

QUESTION 9

-----

NOTE: Create sub directory D:\\Java\\Selenium\\Material.

QUESTION 10

-----

NOTE: Print all the available files from an existing folder.

The screenshot shows the Eclipse IDE interface. The left window is titled "ExeDemo.java" and contains the following Java code:

```
1 package org.hcl;
2
3 import java.io.BufferedReader;
4 import java.io.File;
5 import java.io.IOException;
6 import java.io.LineNumberReader;
7 import java.nio.file.Files;
8 import java.nio.file.Path;
9 import java.nio.file.Paths;
10 import java.util.ArrayList;
11 import java.util.Iterator;
12
13 import org.apache.commons.io.input.ReversedLinesFileReader;
14
15 public class ExeDemo {
16
17     public static void main(String[] args) {
18
19         // creates a file object
20         File file = new File("C:\\\\Users\\\\navee\\\\OneDrive\\\\Desktop");
21
22         // returns an array of all files
23         String[] fileList = file.list();
24
25         for(String str : fileList) {
26             System.out.println(str);
27         }
28     }
29 }
30
```

The right window is the "Console" tab, showing the output of the application:

```
<terminated> ExeDemo [Java Application] C:\Users\navee\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_6
desktop.ini
eclipse - Shortcut.lnk
File operation
Folderfile
home.html
javatask
Microsoft Edge.lnk
navee.html
NAVEEN123
New Text Document.txt
selenium driver path.txt
SELENIUM2022
sqldeveloper - Shortcut.lnk
Subash Balachandran is inviting you to a scheduled Zoom meeting
syntax for java.txt
Zoom.lnk
```

4

```
package org.hcl;

import java.io.File;
import java.io.IOException;
import java.io.LineNumberReader;
import java.nio.file.Files;
import java.nio.file.Path;
```

```

import java.nio.file.Paths;

import org.apache.commons.io.input.ReversedLinesFileReader;

public class ExeDemo {

    public static void main(String[] args) {
        File file = new File("D:\\SampleFile.txt");
        int n_lines = 5;
        int counter = 0;
        ReversedLinesFileReader object = null;
        try {
            object = new ReversedLinesFileReader(file);
        } catch (IOException e) {
            // TODO Auto-generated catch block
            e.printStackTrace();
        }
        while(counter < n_lines) {
            try {
                System.out.println(object.readLine());
            } catch (IOException e) {
                // TODO Auto-generated catch block
                e.printStackTrace();
            }
            counter++;
        }
    }
}

```

10

```

package org.hcl;

import java.io.BufferedReader;
import java.io.File;
import java.io.IOException;
import java.io.LineNumberReader;
import java.nio.file.Files;
import java.nio.file.Path;
import java.nio.file.Paths;
import java.util.ArrayList;
import java.util.Iterator;

import org.apache.commons.io.input.ReversedLinesFileReader;

public class ExeDemo {

    public static void main(String[] args) {

        // creates a file object
        File file = new
File("C:\\\\Users\\\\navee\\\\OneDrive\\\\Desktop");

        // returns an array of all files
String[] fileList = file.list();

        for(String str : fileList) {

```

```
        System.out.println(str);
    }
}
```

9.

```
package org.hcl;

import java.io.File;

public class FileOperationPractice {
public static void main(String[] args) {

    File f =new File("D:\\Java\\Selenium\\Material");
    boolean mkdirs = f.mkdirs();
    System.out.println(mkdirs);
}
}
```

7.

```
package org.hcl;

import java.io.File;

public class FileOperationPractice {
public static void main(String[] args) {

    try {
        File file = new File("D:\\Java");
        file.createNewFile();
        System.out.println(file.exists());
    } catch(Exception e) {
        e.printStackTrace();
    }
}
}
```

8.

```
package org.hcl;

import java.io.File;

public class FileOperationPractice {
public static void main(String[] args) {
    File file = new File("D:\\Java");

    boolean mkdir = file.mkdir();
    System.out.println();
}
}
```

7.

```

package org.hcl;

import java.io.File;

public class FileOperationPractice {
    public static void main(String[] args) {

        File f =new File ("D:\\Java1");
        boolean exists = f.exists();
        System.out.println(exists);
    }
}

```

5.

```

package org.hcl;

import java.io.BufferedReader;
import java.io.File;
import java.io.FileReader;
import java.io.IOException;

public class FileOperationPractice {
    //public static void main(String[] args) {
    public static void main(String[] args) throws IOException {
        File fileIn1 = new File("D:\\SampleFile.txt");

        try (BufferedReader bf = new BufferedReader(new
FileReader(fileIn1))) {//SURROUND WITH try with resources FOR THE EXCEPTIONS

            String readLine;
            int line = 0;

            while ((readLine = bf.readLine()) != null) {
                if (line % 2 != 0) {//CHECKING WHETHER THE ROW IS ODD
                    System.out.println(readLine);
                }
                line++;
            }
        }
    }
}

```

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
1	SELENIUM TASK-JAN2022																									
2	BROWSER LAUNCH		LOCATORS AND SEND KEYS		LOCATOR,RADIO BUTTON,CHECK BOX,BUTTON		Debug,Xpath contains,text getText();getAttribute();		ACTION		ROBOT CLASS,CONTEXT CLICK,RIGHT CLICK		SCREEN SHOT,SCROLL UP,SCROLL DOWN		ALERT ,FRAME		DROP DOWN		WINDOW HANDLING		WEB TABLE		JAVA SCRIPT			
3	DAY-01	STATUS	DAY-02	STATUS	DAY-03	STATUS	DAY-04	STATUS	DAY-05	STATUS	DAY-06	STATUS	DAY-07	STATUS	DAY-08	STATUS	DAY-09	STATUS	DAY-10	STATUS	DAY-11	STATUS	DAY-12	STATUS		
4	1 OK		1 OK		1 OK		1 OK		1 OK		1 OK		1 OK		1 OK		1 OK		1 OK		1 OK		1 OK			
5	2 OK		2 OK		2 OK		2 NOT OK		2 OK		2 OK		2 OK		2 OK		2 OK		2 OK		2 OK		2 OK			
6	3 OK		3 OK		3 OK		3 OK		3 OK		3 OK		3 OK		3 ok		3 OK		3 OK		3 OK		3 OK			
7	4 OK		4	OK	4 OK		4 OK		4 OK		4 OK		4 OK		4 OK		4 ok		4	OK	4	OK		4 OK		
8	5 OK		5 OK		5 OK		5 OK		5 OK		5 OK		5 OK		5	OK	5 ok		5	OK	5	OK		5 OK		
9	6 OK		6	OK	6 OK		6 OK		6 OK		6 OK		6 OK		6	OK	6 OK		6 OK		6	OK		6 OK		
10	7 OK		7 OK		7 OK		7 OK		7 OK		7 OK		7 OK		7 OK		7 OK		7 OK		7 OK		7 OK			
11	8 OK		8 OK		8 OK		8 OK		8 OK		8 OK		8 OK		8 OK		8	OK	8 OK							
12	9 OK		9 OK		9 OK		9 OK		9 OK		9 OK		9 OK		9	OK	9	OK								
13	10 OK		10 OK		10 OK		10 OK		10 OK		10 OK		10 OK		10	OK	10	OK								
14	11 OK		11 OK		11	OK	11	OK	11 OK		11	OK	11	OK	11	OK	11	OK								
15	12 OK		12 OK		12	OK	12	OK	12	OK	12	OK	12	OK	12	OK	12	OK	12 OK		12 OK					
16	13 OK																									
17	14 OK																									
18																										
19																										
20																										
21																										
22																										
23	TOTAL	3	10	14	12	20	OK		11	12	8		13		14		5		6		128					
24	INCOMPLETE	1	0	3	1	8		0	4	2		7		9		5		6		46		COMPLETE	82			

CORE JAVA TEST PAPERS SELENIUM TEST PAPERS FRAME WORK SELENIUM TASK ISSUES TIME SHEET

## SELENIUM

---

-----  
DAY1  
-----

1. Introduction to selenium
2. Download jar file and drivers
3. Browser Launc

## QUESTIONS (practical)

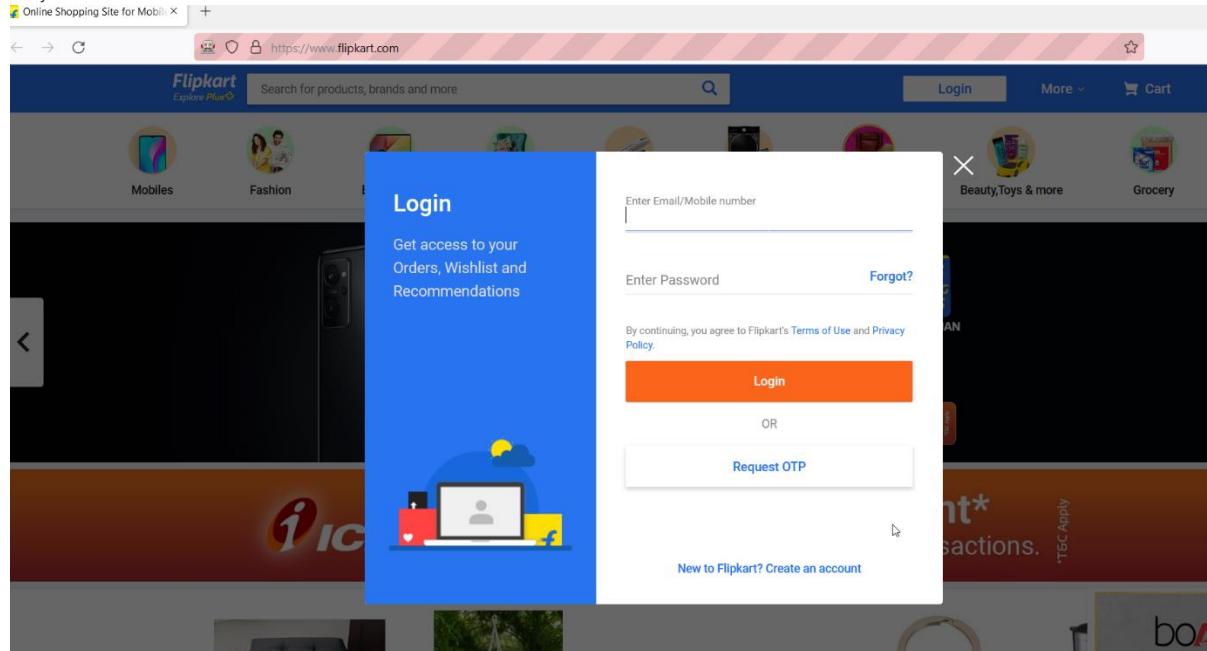
---

1. Launch the below URL's in firefox browser:

---

1. Greens technologys - <http://www.greenstechnologys.com/>
2. Facebook - <https://www.facebook.com/>
3. Amazon - <https://www.amazon.in>
4. Greens technologys-<http://greenstech.in/selenium-course-content.html>

```
1 package org.tcs;
2
3@import org.openqa.selenium.WebDriver;
4
5 public class FbLogin {
6@ public static void main(String[] args) {
7
8    //System.setProperty("webdriver.chrome.driver","C:\\Users\\navee\\eclipse-workspace\\SeleniumDailyPractice\\driver\\chromedriver.exe");
9    //WebDriver driver =new ChromeDriver();
10   System.setProperty("webdriver.gecko.driver","C:\\Users\\navee\\eclipse-workspace\\SeleniumDailyPractice\\driver\\geckodriver.exe");
11   WebDriver driver =new FirefoxDriver();
12   //driver.get("http://www.greenstechnologys.com/");
13   driver.manage().window().maximize();
14   //driver.get(" http://gmail.com/");
15   driver.get("http://www.flipkart.com/");
16   //driver.get("http://greenstech.in/selenium-course-content.html");
17 }
18 }
```



2. Launch the below URL's in chrome browser:

---

1. Greens technologys - <http://www.greenstechnologys.com/>
2. Gmail - <http://gmail.com/>
3. Flipkart - <http://www.flipkart.com/>
4. Greens technology-<http://greenstech.in/selenium-course-content.html>

```

1 package org.tcs;
2
3@import org.openqa.selenium.WebDriver;
4
5 public class FbLogin {
6@public static void main(String[] args) {
7
8 System.setProperty("webdriver.chrome.driver","C:\\\\Users\\\\navee\\\\eclipse-workspace\\\\SeleniumDailyPractice\\\\driver\\\\chromedriver.exe");
9 WebDriver driver =new ChromeDriver();
10 driver.get("http://www.greentechnologies.com/");
11 driver.manage().window().maximize();
12 driver.get(" http://gmail.com/");
13 driver.get("http://www.flipkart.com/");
14 driver.get("http://greenstech.in/selenium-course-content.html");
15
16 }
17
18 }
19
20

```

Online Shopping Site for Mobile: + flipkart.com

Chrome is being controlled by automated test software.

Flipkart Explore Plus+ Search for products, brands and more Login More Cart

Mobiles Fashion Beauty, Toys & more Grocery

Get access to your Orders, Wishlist and Recommendations

Enter Email/Mobile number

Enter Password [Forgot?](#)

By continuing, you agree to Flipkart's Terms of Use and Privacy Policy.

[Login](#)

OR

[Request OTP](#)

New to Flipkart? [Create an account](#)

G Gmail accounts.google.com/signin/v2/identifier?service=mail&passive=1209600&osid=1&continue=https%3A%2F%2Fmail.google.com%2Fmail%2Fu%2F0%2F&followup=

Chrome is being controlled by automated test software.

Google

Sign in

to continue to Gmail

Email or phone

Forgot email?

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Create account [Next](#)

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Not secure | greenstechnologys.com

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Online Classroom Course Price at: ₹ 10,000 Enroll Now

3. Launch the below URL's in IE browser:

- 1. Greens technologys - <http://www.greenstechnologys.com/>
- 2. DemoQa Registration <http://demo.automationtesting.in/Register.html>
- 3. Greens technologys - <http://www.greenstechnologys.com/>
- 4. Greens technologys- <http://greenstech.in/selenium-course-content.html>

SELENIUM:

-----

DAY2

-----

Locators

sendKeys

QUESTIONS (Practical)

-----

QUESTION 1

-----

URL : <https://www.facebook.com/>

NOTE: Enter Email or Phone and Password.

The image shows a screenshot of an IDE (Eclipse) and a web browser. The IDE window displays a Java code file named FbLogin.java. The code imports necessary Selenium packages and sets up a ChromeDriver to navigate to the Facebook login page. It then finds the email and password input fields and sends keys to them. The browser window shows the Facebook login page with fields for email and password, and a 'Log In' button. Below the fields, there are links for 'Forgotten password?' and 'Create New Account'. A status message at the bottom of the browser window says 'Chrome is being controlled by automated test software.'

```
1 package org.tcs;
2
3 import org.openqa.selenium.WebDriver;
4 import org.openqa.selenium.chrome.ChromeDriver;
5 import org.openqa.selenium.WebElement;
6 import org.openqa.selenium.By;
7
8 public class FbLogin {
9 public static void main(String[] args) {
10     System.setProperty("webdriver.chrome.driver", "C:\\Users\\navee\\eclipse-workspace\\SeleniumDailyPractice\\driver\\chromedriver.exe");
11     WebDriver driver = new ChromeDriver();
12     driver.get("http://www.facebook.com/");
13     driver.manage().window().maximize();
14     WebElement txtUserName= driver.findElement(By.id("email"));
15     txtUserName.sendKeys("emailid");
16     WebElement txtPassword = driver.findElement(By.id("pass"));
17     txtPassword.sendKeys("password");
18
19
20 }
21 }
22 }
```

QUESTION 2

-----

URL : <https://www.redbus.in/>

NOTE: Enter from and to textbox.

```

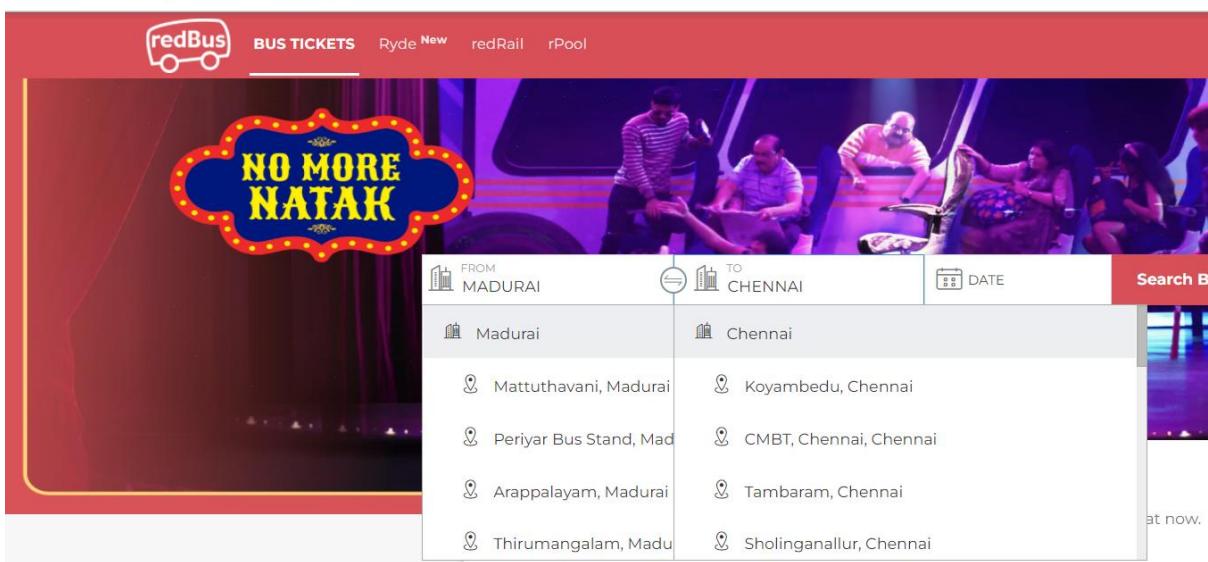
FbLogin.java
1 package org.tcs;
2
3 import org.openqa.selenium.WebDriver;
4 import org.openqa.selenium.chrome.ChromeDriver;
5 import org.openqa.selenium.WebElement;
6 import org.openqa.selenium.By;
7
8 public class FbLogin {
9 public static void main(String[] args) {
10     System.setProperty("webdriver.chrome.driver", "C:\\Users\\navee\\eclipse-workspace\\SeleniumDailyPractice\\driver\\chromedriver.exe");
11     WebDriver driver = new ChromeDriver();
12     driver.get("https://www.redbus.in/");
13     driver.manage().window().maximize();
14
15     WebElement txtUserName = driver.findElement(By.className("db"));
16     txtUserName.sendKeys("MADURAI");
17     WebElement txtUserName1 = driver.findElement(By.id("dest"));
18     txtUserName1.sendKeys("CHENNAI");
19 }
20 }
21 }

```

Book Bus Travels, AC Volvo Bus, r x +

← → ⌂ 🔒 redbus.in

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QUESTION 3

URL : <https://www.google.com/>

NOTE: Enter GreensTechnology.

The screenshot shows a development environment with an IDE and a web browser. The IDE's code editor displays Java code for a Selenium test, specifically for navigating to Google and searching for 'Enter GreensTechnology'. The browser window shows the Google homepage with the search bar containing 'Enter GreensTechnology'.

```
Console *Day3Exercise.java *
1 package org.test;
2
3 import org.openqa.selenium.By;
4
5 //https://www.snapdeal.com/
6 public class Day3Exercise {
7
8 @public static void main(String[] args) {
9     System.setProperty("webdriver.chrome.driver","C:\\Users\\navee\\eclipse-workspace\\SeleniumDailyPractice\\driver\\chromedriver.exe");
10    WebDriver driver =new ChromeDriver();
11    driver.get("https://www.google.com/");
12    driver.findElement(By.name("q")).sendKeys("Enter GreensTechnology");
13 }
14
15 }
16 }
```

Google

← → ↻ 🔒 google.com

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Gmail Images

Enter GreensTechnology

Google Search I'm Feeling Lucky

#### QUESTION 4

---

URL : <https://infinity.icicibank.com/corp/Login.jsp>

NOTE: Enter username and password.

Log in to Internet Banking

infinity.icicibank.com/corp/AuthenticationController?FORMSGROUP\_ID\_=AuthenticationFG&\_START\_TRAN\_FLAG\_=Y&FG\_BUTTONS\_=LOAD&ACTION LOAD=Y&AuthenticationFG

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**ICICI Bank**

Personal Privilege Wealth Private NRI Business SME Corporate Millennial Deals & More Help



**BREAKING NEWS**

FD rates have increased!\*  
Have you invested in your dreams, yet?

INVEST NOW

Login to Internet Banking

Registered Mobile Number

91 1234567890

Authenticate

Login with Userid Need Help?

Log in to Internet Banking

infinity.icicibank.com/corp/AuthenticationController?FORMSGROUP\_ID\_=AuthenticationFG&\_START\_TRAN\_FLAG\_=Y&FG\_BUTTONS\_=LOAD&ACTION LOAD=Y&AuthenticationFG

Chrome is being controlled by automated test software.

**ICICI Bank**

Personal Privilege Wealth Private NRI Business SME Corporate Millennial Deals & More Help



**BREAKING NEWS**

FD rates have increased!\*  
Have you invested in your dreams, yet?

INVEST NOW

Invest in Stay safe from Get assured

Login to Internet Banking

User ID

NAVEEN

Get User ID

GR

Registered Mobile Number

How to login? Watch iPlay demo ►

```

FlipkartProject.java ☐
1 package org.test;
2
3 import java.awt.Desktop.Action;
4
5 import org.openqa.selenium.By;
6 import org.openqa.selenium.WebDriver;
7 import org.openqa.selenium.WebElement;
8 import org.openqa.selenium.chrome.ChromeDriver;
9 import org.openqa.selenium.firefox.FirefoxDriver;
10 import org.openqa.selenium.interactions.Actions;
11
12 public class FlipkartProject {
13     public static void main(String[] args) throws InterruptedException {
14         System.setProperty("webdriver.chrome.driver","C:\\Users\\navee\\eclipse-workspace\\SeleniumDailyPractice\\driver\\chromedriver.exe");
15         WebDriver driver =new ChromeDriver();
16         //System.setProperty("webdriver.gecko.driver","C:\\Users\\navee\\eclipse-workspace\\SeleniumDailyPractice\\driver\\geckodriver.exe");
17         //WebDriver driver =new FirefoxDriver();
18
19         driver.get("https://infinity.icicibank.com/corp/Login.jsp");
20
21         driver.manage().window().maximize();
22         Thread.sleep(3000);
23         WebElement txtUserName = driver.findElement(By.id("DUMMY1"));
24         txtUserName.sendKeys("NAVEEN");
25         Thread.sleep(5000);
26         //WebElement txtPassword = driver.findElement(By.id("DUMMY2"));
27         //WebElement txtPassword= driver.findElement(By.xpath("//input[@name='DUMMY2']"));
28         //WebElement txtPassword= driver.findElement(By.xpath("//input[@type='text'][2]"));
29         //txtPassword.sendKeys("NAVEEN12345");
30
31
32     }
33 }
34 }

FlipkartProject.java ☐
1 package org.test;
2
3 import java.awt.Desktop.Action;
4
5 import org.openqa.selenium.By;
6 import org.openqa.selenium.WebDriver;
7 import org.openqa.selenium.WebElement;
8 import org.openqa.selenium.chrome.ChromeDriver;
9 import org.openqa.selenium.firefox.FirefoxDriver;
10 import org.openqa.selenium.interactions.Actions;
11
12 public class FlipkartProject {
13     public static void main(String[] args) throws InterruptedException {
14         System.setProperty("webdriver.chrome.driver","C:\\Users\\navee\\eclipse-workspace\\SeleniumDailyPractice\\driver\\chromedriver.exe");
15         WebDriver driver =new ChromeDriver();
16         //System.setProperty("webdriver.gecko.driver","C:\\Users\\navee\\eclipse-workspace\\SeleniumDailyPractice\\driver\\geckodriver.exe");
17         //WebDriver driver =new FirefoxDriver();
18
19         driver.get("https://infinity.icicibank.com/corp/Login.jsp");
20
21         driver.manage().window().maximize();
22         //Thread.sleep(3000);
23         //WebElement txtUserName = driver.findElement(By.id("DUMMY1"));
24         //txtUserName.sendKeys("NAVEEN");
25         //Thread.sleep(5000);
26         //WebElement txtPassword = driver.findElement(By.id("DUMMY2"));
27         //WebElement txtPassword= driver.findElement(By.xpath("//input[@name='DUMMY2']"));
28         //txtPassword.sendKeys("8344350473");
29         WebElement txtPassword= driver.findElement(By.xpath("//input[@type='text'][2]"));
30         txtPassword.click();
31         WebElement txtAuth = driver.findElement(By.id("AuthenticationFG.RIB_LOGIN_MOBILE"));
32         txtAuth.sendKeys("1234567890");
33
34 }
35 }

```

## QUESTION 5

-----

URL : <https://netbanking.hdfcbank.com/>

NOTE: Enter customer id .

```

1 package org.test;
2
3 import java.awt.Desktop.Action;
4 import java.util.List;
5
6 import org.openqa.selenium.By;
7 import org.openqa.selenium.WebDriver;
8 import org.openqa.selenium.WebElement;
9 import org.openqa.selenium.chrome.ChromeDriver;
10 import org.openqa.selenium.firefox.FirefoxDriver;
11 import org.openqa.selenium.interactions.Actions;
12
13 public class FlipkartProject {
14     public static void main(String[] args) throws InterruptedException {
15         System.setProperty("webdriver.chrome.driver","C:\\Users\\navee\\eclipse-workspace\\SeleniumDailyPractice\\driver");
16         WebDriver driver =new ChromeDriver();
17         //System.setProperty("webdriver.gecko.driver","C:\\Users\\navee\\eclipse-workspace\\SeleniumDailyPractice\\driver");
18         //WebDriver driver =new FirefoxDriver();
19
20         driver.get(" https://netbanking.hdfcbank.com/");
21
22         driver.manage().window().maximize();
23         List<WebElement> all = driver.findElements(By.tagName("frameset"));
24         System.out.println(all.size());
25         Thread.sleep(3000);
26         driver.switchTo().frame(0);
27         WebElement txtUserName = driver.findElement(By.xpath("//input[@type='text']"));
28         txtUserName.sendKeys("NAVEEN");
29
30     }
31
32 }
33
34

```

Welcome to HDFC Bank NetBank [+>](#)

[←](#) [→](#) [C](#) [netbanking.hdfcbank.com/netbanking/](#)

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**HDFC BANK**

Welcome to HDFC Bank NetBanking

Login to NetBanking

Customer ID/ User ID  [Forgot Customer ID](#)

**CONTINUE**

Dear Customer,  
Welcome to the new login page of HDFC Bank NetBanking.  
Its lighter look and feel is designed to give you the best possible user experience. Please continue to login using your customer ID and password.

Don't have a HDFC Bank Savings Account?

[Credit Card only? Login here](#)  
[Prepaid Card only ? Login here](#)  
[Retail Loan only? Login here](#)

Your security is of utmost importance.  
[Know More...](#)

**Norton SECURED**  
powered by Symantec

First Time User?  
[Register Now](#) for a host of convenient features

We have added a host of new features!

You can now do so much more:

- Anywhere access through Desktop or mobile
- Enhanced security measures

## QUESTION 6

---

URL : <https://www.swiggy.com/>

NOTE: Enter the location.

```
FbLogin.java ✘
1 package org.tcs;
2
3 import org.openqa.selenium.WebDriver;
4 import org.openqa.selenium.chrome.ChromeDriver;
5 import org.openqa.selenium.WebElement;
6 import org.openqa.selenium.By;
7
8 public class FbLogin {
9 public static void main(String[] args) {
10
11     System.setProperty("webdriver.chrome.driver", "C:\\\\Users\\\\navee\\\\eclipse-workspace\\\\SeleniumDailyPractic");
12     WebDriver driver = new ChromeDriver();
13     driver.get("https://www.swiggy.com/");
14     driver.manage().window().maximize();
15
16     WebElement txtUserName = driver.findElement(By.id("location"));
17     txtUserName.sendKeys("chennai omr");
18
19 }
20 }
21
```

Order food online from India's best delivery app.

swiggy.com

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## Hungry?

Order food from favourite restaurants near you.

Clear**FIND FOOD**

- 📍 OMR Road, Chennai, Tamil Nadu, India
- 📍 OMR Food Street, Thiruvengadam Nagar, Perungudi, Chennai, Tamil Nadu, India...
- 📍 OMR Food Street Car Parking, Old Mahabalipuram Road, Chennai, Tamil Nadu...
- 📍 OMR Food Street Ambattur, Tirupati Road, Sai Nagar, Ambattur Industrial Estate...
- 📍 OMR Service Road, Nehru Nagar, Perungudi, Chennai, Tamil Nadu, India

QUESTION 7

-----  
URL :<https://www.snapdeal.com/login>

NOTE: Enter mobile number/email.

```
*FbLogin.java
1 package org.tcs;
2
3import org.openqa.selenium.WebDriver;
4 import org.openqa.selenium.chrome.ChromeDriver;
5 import org.openqa.selenium.WebElement;
6 import org.openqa.selenium.By;
7
8 public class FbLogin {
9 public static void main(String[] args) {
10
11     System.setProperty("webdriver.chrome.driver", "C:\\\\Users\\\\navee\\\\eclipse-workspace\\\\SeleniumDailyPractice\\\\driv
12     WebDriver driver = new ChromeDriver();
13     driver.get("https://www.snapdeal.com/login");
14     driver.manage().window().maximize();
15
16     WebElement txtUserName = driver.findElement(By.id("userName"));
17     txtUserName.sendKeys("NAVEEN");
18
19 }
20 }
```

QUESTION 8

-----

URL : <https://www.instagram.com/accounts/login/?hl=en>) login page

NOTE: Enter username and password.

FlipkartProject.java

```

1 package org.test;
2
3*import java.awt.Desktop.Action;
4
5 public class FlipkartProject {
6     public static void main(String[] args) throws InterruptedException {
7         System.setProperty("webdriver.chrome.driver", "C:\\\\Users\\\\navee\\\\eclipse-workspace\\\\SeleniumDailyPractice\\\\driver\\\\chromedriver.exe");
8         WebDriver driver =new ChromeDriver();
9         driver.get("https://www.instagram.com/accounts/login/?hl=en") login page";
10
11     driver.manage().window().maximize();
12     Thread.sleep(3000);
13     WebElement txtUserName = driver.findElement(By.name("username"));
14     txtUserName.sendKeys("NAVEEN");
15     Thread.sleep(5000);
16     WebElement txtPassword = driver.findElement(By.xpath("//input[@type='password']"));
17     txtPassword.sendKeys("NAVEEN12345");
18
19 }
20
21 }

```

Login • Instagram

← → C 🔒 instagram.com/accounts/login/?hl=en%20login%20page

Chrome is being controlled by automated test software.

The screenshot shows a Java code editor with a file named 'FlipkartProject.java'. The code is a simple Selenium script to log into Instagram. Below the code editor is a web browser window showing the Instagram login page. The Instagram page has a large 'Instagram' logo at the top. It features two input fields: one for 'Phone number, username, or email' containing 'NAVEEN' and another for 'Password' containing 'NAVEEN12345'. There is a 'Show' link next to the password field. A blue 'Log In' button is centered below the fields. Below the login form, there's a horizontal line with 'OR' in the center, followed by a 'Log in with Facebook' button and a 'Forgot password?' link. At the bottom of the Instagram page, there's a 'Don't have an account? Sign up' link. To the right of the Instagram page, there are download links for the App Store and Google Play.

QUESTION 9

-----  
URL : <http://demo.automationtesting.in/Register.html>

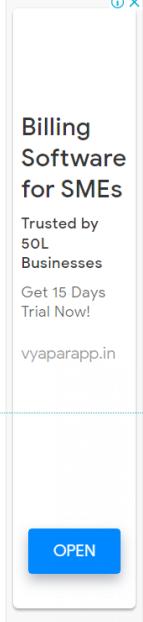
NOTE: Just enter the values for the textbox only.

Register

Not secure | demo.automationtesting.in/Register.html

Chrome is being controlled by automated test software.

## Register



**Billing  
Software  
for SMEs**

Trusted by  
50L Businesses

Get 15 Days Trial Now!

vyaparapp.in

**OPEN**

Full Name*	NAVEEN	KUMAR	
Address	16 EAST STREET,CHENNAI,600049		
Email address*	naveen@gmail.com		
Phone*	8344350473		
Gender*	<input type="radio"/> Male <input type="radio"/> Female		
Hobbies	<input type="checkbox"/> Cricket <input type="checkbox"/> Movies <input type="checkbox"/> Hockey		
Languages			
Skills	Select Skills		
Country*	Select Country		
Select Country :			
Date Of Birth	year	Month	Day
Password	*****		

```

FbLoginjava ☐
1 package org.tcs;
2
3 import org.openqa.selenium.WebDriver;
4 import org.openqa.selenium.chrome.ChromeDriver;
5 import org.openqa.selenium.WebElement;
6 import org.openqa.selenium.By;
7
8 public class FbLogin {
9 public static void main(String[] args) {
10
11     System.setProperty("webdriver.chrome.driver", "C:\\Users\\navee\\eclipse-workspace\\SeleniumDailyPractice\\driver\\chromedriver.exe");
12     WebDriver driver = new ChromeDriver();
13     driver.get(" http://demo.automationtesting.in/Register.html");
14     driver.manage().window().maximize();
15
16     WebElement txtUserName = driver.findElement(By.xpath("//*[@id='basicBootstrapForm']//div[1]//div[1]//input"));
17     txtUserName.sendKeys("NAVEEN");
18     WebElement txtUserName1 = driver.findElement(By.xpath("//*[@id='basicBootstrapForm']//div[1]//div[2]//input"));
19     txtUserName1.sendKeys("KUMAR");
20     WebElement txtUserName2 = driver.findElement(By.xpath("//*[@id='basicBootstrapForm']//div[2]//div//textare"));
21     txtUserName2.sendKeys("16 EAST STREET,CHENNAI,600049");
22     WebElement txtUserName3= driver.findElement(By.xpath("//*[@id='eid']//input"));
23     txtUserName3.sendKeys("naveen@gmail.com");
24     WebElement txtUserName4= driver.findElement(By.xpath("//*[@id='basicBootstrapForm']//div[4]//div//input"));
25     txtUserName4.sendKeys("8344350473");
26     WebElement txtUserName6= driver.findElement(By.id("firstpassword"));
27     txtUserName6.sendKeys("8344350473");
28     WebElement txtUserName7= driver.findElement(By.id("secondpassword"));
29     txtUserName7.sendKeys("8344350473");
30
31 }
32 }

```

QUESTION 10

URL : <http://adactinhotelapp.com/>

NOTE: Enter Email or Phone and Password.

```

1 package org.tcs;
2
3 import org.openqa.selenium.WebDriver;
4 import org.openqa.selenium.chrome.ChromeDriver;
5 import org.openqa.selenium.WebElement;
6 import org.openqa.selenium.By;
7
8 public class FbLogin {
9 public static void main(String[] args) {
10
11     System.setProperty("webdriver.chrome.driver", "C:\\\\Users\\\\navee\\\\eclipse-workspace\\\\SeleniumDailyPractice\\\\driver\\\\chromedriver.exe");
12     WebDriver driver = new ChromeDriver();
13     driver.get("http://adactinhotelapp.com/");
14     driver.manage().window().maximize();
15
16     WebElement txtUserName = driver.findElement(By.id("username"));
17     txtUserName.sendKeys("NAVEEN");
18     WebElement txtPassword = driver.findElement(By.id("password"));
19     txtPassword.sendKeys("naveen");
20 }
21
22

```

Adactin.com - Hotel Reservation x +

Not secure | adactinhotelapp.com

Chrome is being controlled by automated test software.

**Adactin**  
Driving Innovation

Existing User Login - Build 1

Username: NAVEEN  
Password: .....  
Forgot Password?

Login

New User Register Here

**Important Note:**  
Hotel Application has 2 builds:

- Build 1: Has been developed with known defects. Thus, functional test cases and automation scripts will fail on this build.
- Build 2: Known defects have been fixed. Thus, functional test cases and automation test scripts should pass when executed on this build. [Go to Build](#)

For any queries/issues please email: [info@adactin.com](mailto:info@adactin.com)

Adactin Launches The Adactin Hotel App!  
**Adactin HOTEL APP**  
Explore the world of mobile software testing.  
GET IT ON Google Play Get it now for iOS  
© 2020 - adactinhotelapp.com. All Rights Reserved. Adactin Group Pty Ltd.

The best Free learning platform for Software Testing

#### QUESTION 8

---

URL : <https://www.instagram.com/accounts/login/?hl=en>) login page

NOTE: Enter username and password

**package** org.test;

```

import java.awt.Desktop.Action;

import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.interactions.Actions;

public class FlipkartProject {
    public static void main(String[] args) throws InterruptedException {
        System.setProperty("webdriver.chrome.driver", "C:\\\\Users\\\\navee\\\\eclipse-
        workspace\\\\SeleniumDailyPractice\\\\driver\\\\chromedriver.exe");

```

```

        WebDriver driver =new ChromeDriver();
driver.get("https://www.instagram.com/accounts/login/?hl=en) login page");

        driver.manage().window().maximize();
Thread.sleep(3000);
WebElement txtUserName = driver.findElement(By.name("username"));
txtUserName.sendKeys("NAVEEN");
Thread.sleep(5000);
WebElement txtPassword =
driver.findElement(By.xpath("//input[@type='password']"));
txtPassword.sendKeys("NAVEEN12345");

}
}

```

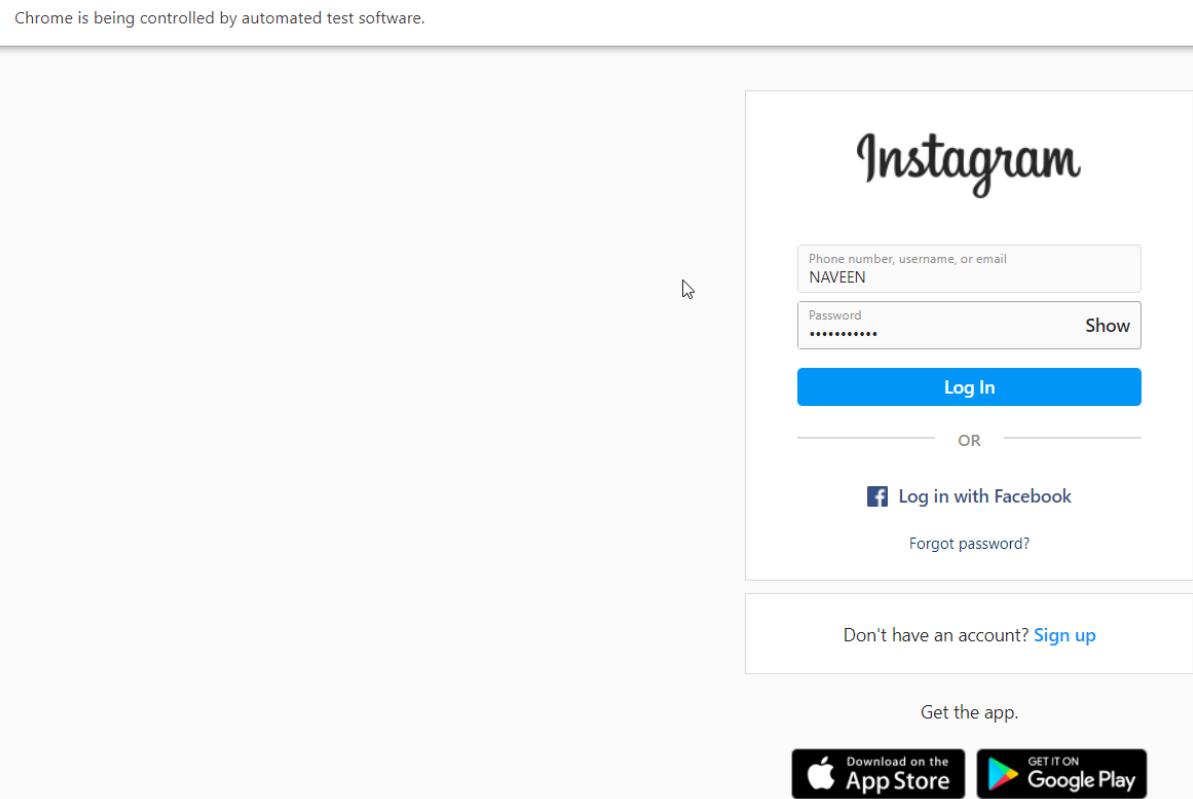
```

1 package org.test;
2
3* import java.awt.Desktop.Action;*
4
5 public class FlipkartProject {
6     public static void main(String[] args) throws InterruptedException {
7         System.setProperty("webdriver.chrome.driver", "C:\\Users\\navee\\eclipse-workspace\\SeleniumDailyPractice\\driver\\chromedriver.exe");
8         WebDriver driver =new ChromeDriver();
9         driver.get("https://www.instagram.com/accounts/login/?hl=en) login page");
10
11         driver.manage().window().maximize();
12         Thread.sleep(3000);
13         WebElement txtUserName = driver.findElement(By.name("username"));
14         txtUserName.sendKeys("NAVEEN");
15         Thread.sleep(5000);
16         WebElement txtPassword = driver.findElement(By.xpath("//input[@type='password']"));
17         txtPassword.sendKeys("NAVEEN12345");
18     }
19 }

```

The screenshot shows the Java code for an Instagram login script. The code uses the Selenium WebDriver library to interact with the Instagram login page. It starts by importing the necessary packages, defining a main class, and setting the chromedriver path. It then creates a new ChromeDriver instance, navigates to the Instagram login page, maximizes the window, and waits for 3000ms. It finds the username and password input fields using their respective By.name and By.xpath locators and sends the credentials 'NAVEEN' and 'NAVEEN12345' respectively. Finally, it waits for another 5000ms.

<https://www.instagram.com/accounts/login/?hl=en>



QUESTION 4

-----  
URL : <https://infinity.icicibank.com/corp/Login.jsp>

NOTE: Enter username and password.

```
package org.test;

import java.awt.Desktop.Action;

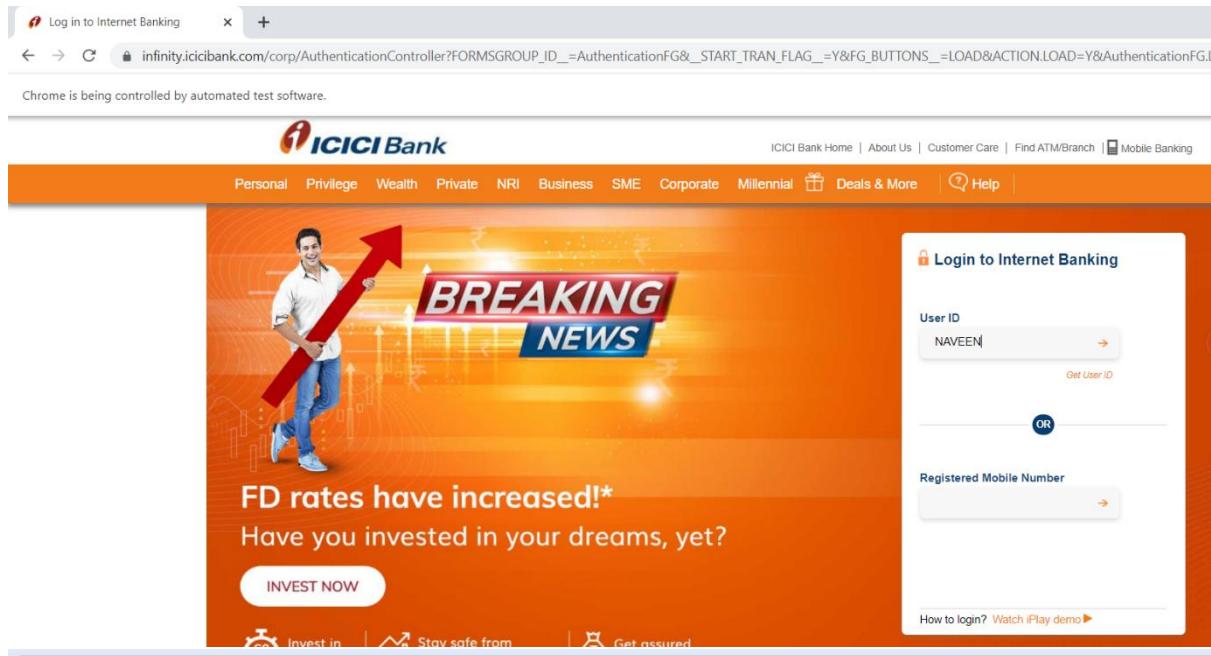
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.firefox.FirefoxDriver;
import org.openqa.selenium.interactions.Actions;

public class FlipkartProject {
    public static void main(String[] args) throws InterruptedException {
        System.setProperty("webdriver.chrome.driver", "C:\\\\Users\\\\navee\\\\eclipse-
workspace\\\\SeleniumDailyPractice\\\\driver\\\\chromedriver.exe");
        WebDriver driver =new ChromeDriver();

        //System.setProperty("webdriver.gecko.driver", "C:\\\\Users\\\\navee\\\\eclipse-
workspace\\\\SeleniumDailyPractice\\\\driver\\\\geckodriver.exe");
        //WebDriver driver =new FirefoxDriver();

        driver.get("https://infinity.icicibank.com/corp/Login.jsp");

        driver.manage().window().maximize();
        //Thread.sleep(3000);
        //WebElement txtUserName = driver.findElement(By.id("DUMMY1"));
        //txtUserName.sendKeys("NAVEEN");
        Thread.sleep(5000);
        //WebElement txtPassword = driver.findElement(By.id("DUMMY23"));
        //WebElement txtPassword=
        driver.findElement(By.xpath("//input[@name='DUMMY2']"));
        //txtPassword.sendKeys("8344350473");
        WebElement txtPassword=
        driver.findElement(By.xpath("//input[@type='text'])[2]"));
        txtPassword.click();
        WebElement txtAuth =
        driver.findElement(By.id("AuthenticationFG.RIB_LOGIN_MOBILE"));
        txtAuth.sendKeys("1234567890");
    }
}
```



```
FlipkartProject.java □
1 package org.test;
2
3 import java.awt.Desktop.Action;
4
5 import org.openqa.selenium.By;
6 import org.openqa.selenium.WebDriver;
7 import org.openqa.selenium.WebElement;
8 import org.openqa.selenium.chrome.ChromeDriver;
9 import org.openqa.selenium.firefox.FirefoxDriver;
10 import org.openqa.selenium.interactions.Actions;
11
12 public class FlipkartProject {
13     public static void main(String[] args) throws InterruptedException {
14         System.setProperty("webdriver.chrome.driver", "C:\\Users\\navee\\eclipse-workspace\\SeleniumDailyPractice\\driver\\chromedriver.exe");
15         WebDriver driver =new ChromeDriver();
16         //System.setProperty("webdriver.gecko.driver", "C:\\Users\\navee\\eclipse-workspace\\SeleniumDailyPractice\\driver\\geckodriver.exe");
17         //WebDriver driver =new FirefoxDriver();
18
19
20         driver.get("https://infinity.icicibank.com/corp/Login.jsp");
21
22         driver.manage().window().maximize();
23         Thread.sleep(3000);
24         WebElement txtUserName = driver.findElement(By.id("DUMMY1"));
25         txtUserName.sendKeys("NAVEEN");
26         Thread.sleep(5000);
27         //WebElement txtPassword = driver.findElement(By.id("DUMMY23"));
28         //WebElement txtPassword= driver.findElement(By.xpath("//input[@name='DUMMY2']"));
29         //WebElement txtPassword= driver.findElement(By.xpath("//input[@type='text'][2]"));
30         //txtPassword.sendKeys("NAVEEN12345");
31
32     }
33 }
34 }
```

```

1 package org.test;
2
3 import java.awt.Desktop.Action;
4
5 import org.openqa.selenium.By;
6 import org.openqa.selenium.WebDriver;
7 import org.openqa.selenium.WebElement;
8 import org.openqa.selenium.chrome.ChromeDriver;
9 import org.openqa.selenium.firefox.FirefoxDriver;
10 import org.openqa.selenium.interactions.Actions;
11
12 public class FlipkartProject {
13     public static void main(String[] args) throws InterruptedException {
14         System.setProperty("webdriver.chrome.driver", "C:\\Users\\navee\\eclipse-workspace\\SeleniumDailyPractice\\driver\\chromedriver.exe");
15         WebDriver driver =new ChromeDriver();
16         //System.setProperty("webdriver.gecko.driver", "C:\\Users\\navee\\eclipse-workspace\\SeleniumDailyPractice\\driver\\geckodriver.exe");
17         //WebDriver driver =new FirefoxDriver();
18
19         driver.get("https://infinity.icicibank.com/corp/Login.jsp");
20
21         driver.manage().window().maximize();
22         //Thread.sleep(3000);
23         //WebElement txtUserName = driver.findElement(By.id("DUMMY1"));
24         //txtUserName.sendKeys("NAVEEN");
25         //Thread.sleep(5000);
26         //WebElement txtPassword = driver.findElement(By.id("DUMMY2"));
27         //WebElement txtPassword= driver.findElement(By.xpath("//input[@name='DUMMY2']"));
28         //txtPassword.sendKeys("8344350473");
29         WebElement txtPassword= driver.findElement(By.xpath("//input[@type='text'][2]"));
30         txtPassword.click();
31         WebElement txtAuth = driver.findElement(By.id("AuthenticationFG.RIB_LOGIN_MOBILE"));
32         txtAuth.sendKeys("1234567890");
33     }
34 }
35 }

```

Log in to Internet Banking    
  
 infinity.icicibank.com/corp/AuthenticationController?FORMSGROUP\_ID\_=AuthenticationFG&\_START\_TRAN\_FLAG\_=Y&FG\_BUTTONS\_=LOAD&ACTION LOAD=Y&Authentication

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## QUESTION 5

URL : <https://netbanking.hdfcbank.com/>

NOTE: Enter customer id .

```
package org.test;
```

```

import java.awt.Desktop.Action;
import java.util.List;
import java.util.Set;

import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;

```

```

import org.openqa.selenium.firefox.FirefoxDriver;
import org.openqa.selenium.interactions.Actions;

public class FlipkartProject {
    public static void main(String[] args) throws InterruptedException {
        System.setProperty("webdriver.chrome.driver","C:\\Users\\navee\\eclipse-workspace\\SeleniumDailyPractice\\driver\\chromedriver.exe");
        WebDriver driver =new ChromeDriver();
        driver.get("https://netbanking.hdfcbank.com/");
        driver.switchTo().frame(0);
        WebElement txtUsername =
        driver.findElement(By.xpath("//input[@type='text']"));
        txtUsername.sendKeys("NAVEEN");

    }
}

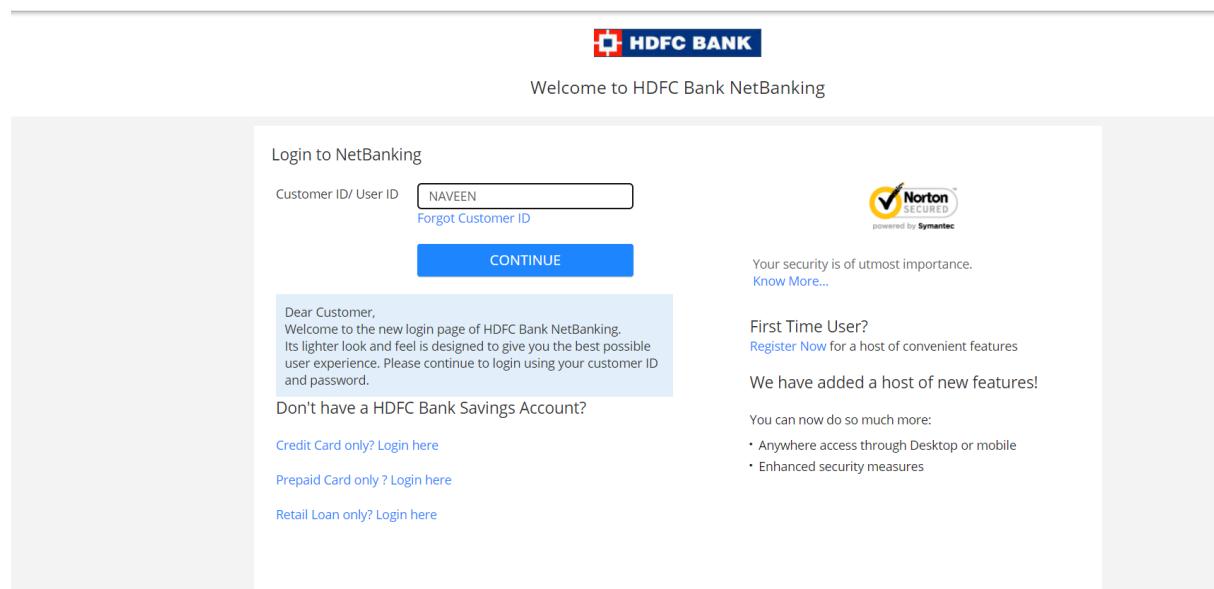
```

The screenshot shows the Eclipse IDE interface. On the left is the code editor with the file `FlipkartProject.java` open. The code is identical to the one provided above. On the right is the Java Console window, which displays the following log output:

```

<terminated> FlipkartProject [Java Application] C:\Users\adefa7
Starting ChromeDriver 97.0.4692.71 (adefaf7
Only local connections are allowed.
Please see https://chromedriver.chromium.o
ChromeDriver was started successfully.
[1644465342.062][WARNING]: This version of
Feb 10, 2022 9:25:42 AM org.openqa.selenium
INFO: Detected dialect: W3C
Feb 10, 2022 9:25:42 AM org.openqa.selenium
WARNING: Unable to find an exact match for
Feb 10, 2022 9:25:42 AM org.openqa.selenium
INFO: Found CDP implementation for version
2

```



## SELENIUM

-----  
DAY 3  
-----

1.Locator (xpath)  
2.Radio button,checkbox, Button  
QUESTIONS-(Practical)

-----  
QUESTION 1  
-----

URL : <https://www.amazon.in/>

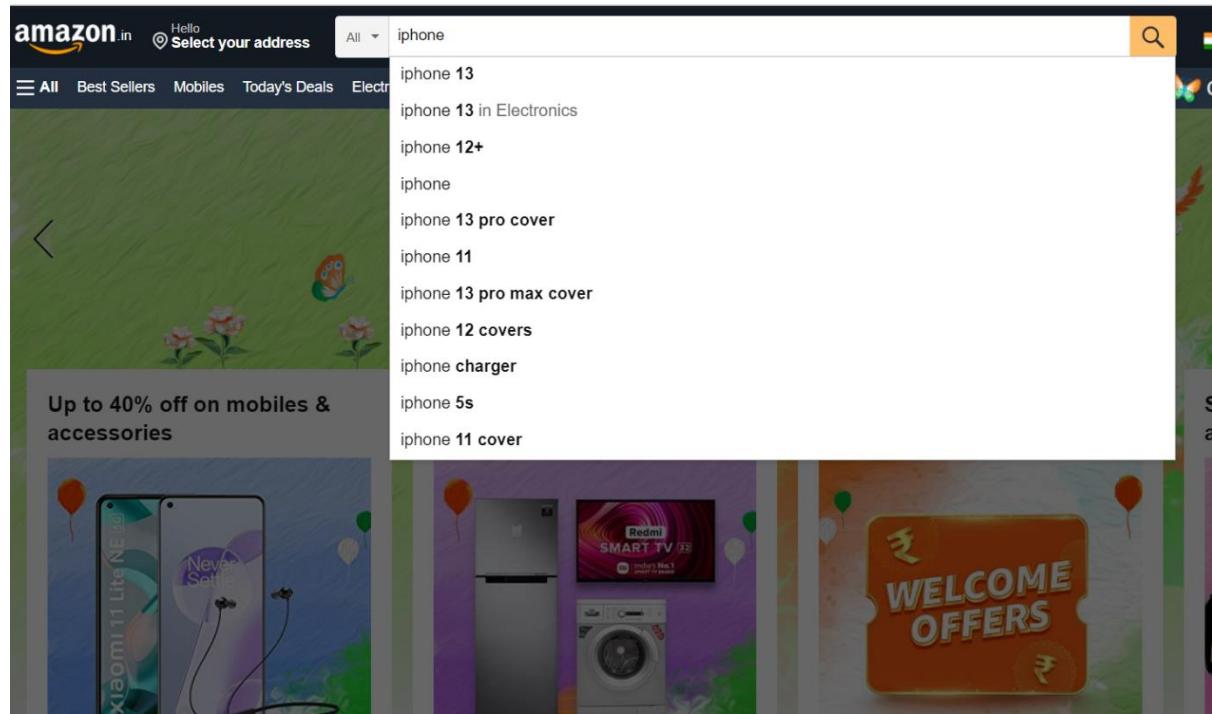
NOTE: Click start here. Enter iphone and search

```
1 package org.test;
2
3# import org.openqa.selenium.By;□
4
5 //https://www.snapdeal.com/
6 public class Day3Exercise {
7     public static void main(String[] args) {
8         System.setProperty("webdriver.chrome.driver","C:\\Users\\navee\\eclipse-workspace\\SeleniumDailyPractice\\driver\\chromedriver.exe");
9         WebDriver driver =new ChromeDriver();
10        driver.get("https://www.amazon.in/");
11        driver.manage().window().maximize();
12        driver.findElement(By.xpath("//input[@type='text']")).sendKeys("iphone");
13    }
14 }
```

a Online Shopping site in India: Sh x +

← → C 🔒 amazon.in

Chrome is being controlled by automated test software.



QUESTION 2

-----  
URL : <https://www.facebook.com/>

NOTE: Enter email and password and click login(by using xpath locator).

```

1 package org.test;
2
3 import org.openqa.selenium.By;
4
5 //https://www.snapdeal.com/
6
7 public class Day3Exercise {
8    public static void main(String[] args) {
9        System.setProperty("webdriver.chrome.driver", "C:\\Users\\navee\\eclipse-workspace\\SeleniumDailyPractice\\driver\\chromedriver.exe");
10       WebDriver driver =new ChromeDriver();
11       driver.get(" https://www.facebook.com/");
12
13       driver.manage().window().maximize();
14
15       WebElement txtUserName= driver.findElement(By.xpath("//input[@type='text']"));
16       txtUserName.sendKeys("NAVEENNAWIN");
17       WebElement txtPassword = driver.findElement(By.xpath("//input[@type='password']"));
18       txtPassword.sendKeys("NAVEEM");
19       WebElement btnLogin= driver.findElement(By.xpath("//button[@name='login']"));
20       btnLogin.click();
21
22   }
23 }
24

```

facebook – log in or sign up

← → 🔍 facebook.com

Chrome is being controlled by automated test software.

### QUESTION 3

---

URL : <http://demo.automationtesting.in/Register.html>

NOTE: Give details and register the form.

Register

Not secure | demo.automationtesting.in/Register.html

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## Register



**Billing Software for SMEs**  
Trusted by 50L Businesses  
Get 15 Days Trial Now!  
vyaparapp.in

**OPEN**

<b>Full Name*</b>	<input type="text" value="NAVEEN"/>	<input type="text" value="KUMAR"/>	
<b>Address</b>	<input type="text" value="16 EAST STREET,CHENNAI,600049"/>		
<b>Email address*</b>	<input type="text" value="naveen@gmail.com"/>		
<b>Phone*</b>	<input type="text" value="8344350473"/>		
<b>Gender*</b>	<input type="radio"/> Male <input type="radio"/> Female		
<b>Hobbies</b>	<input type="checkbox"/> Cricket <input type="checkbox"/> Movies <input type="checkbox"/> Hockey		
<b>Languages</b>	<input type="text"/>		
<b>Skills</b>	<input type="text" value="Select Skills"/>		
<b>Country*</b>	<input type="text" value="Select Country"/>		
<b>Select Country :</b>	<input type="text"/>		
<b>Date Of Birth</b>	<input type="text" value="year"/>	<input type="text" value="Month"/>	<input type="text" value="Day"/>
<b>Password</b>	<input type="password" value="*****"/>		

```

FbLoginjava
1 package org.tcs;
2
3 import org.openqa.selenium.WebDriver;
4 import org.openqa.selenium.chrome.ChromeDriver;
5 import org.openqa.selenium.WebElement;
6 import org.openqa.selenium.By;
7
8 public class FbLogin {
9 public static void main(String[] args) {
10
11     System.setProperty("webdriver.chrome.driver", "C:\\Users\\navee\\eclipse-workspace\\SeleniumDailyPractice\\driver\\chromedriver.exe");
12     WebDriver driver = new ChromeDriver();
13     driver.get(" http://demo.automationtesting.in/Register.html");
14     driver.manage().window().maximize();
15
16     WebElement txtUserName = driver.findElement(By.xpath("//*[@id='basicBootstrapForm']//div[1]//div[1]//input"));
17     txtUserName.sendKeys("NAVEEN");
18     WebElement txtUserName1 = driver.findElement(By.xpath("//*[@id='basicBootstrapForm']//div[1]//div[2]//input"));
19     txtUserName1.sendKeys("KUMAR");
20     WebElement txtUserName2 = driver.findElement(By.xpath("//*[@id='basicBootstrapForm']//div[2]//div//textare"));
21     txtUserName2.sendKeys("16 EAST STREET,CHENNAI,600049");
22     WebElement txtUserName3= driver.findElement(By.xpath("//*[@id='eid']//input"));
23     txtUserName3.sendKeys("naveen@gmail.com");
24     WebElement txtUserName4= driver.findElement(By.xpath("//*[@id='basicBootstrapForm']//div[4]//div//input"));
25     txtUserName4.sendKeys("8344350473");
26     WebElement txtUserName6= driver.findElement(By.id("firstpassword"));
27     txtUserName6.sendKeys("8344350473");
28     WebElement txtUserName7= driver.findElement(By.id("secondpassword"));
29     txtUserName7.sendKeys("8344350473");
30
31 }
32 }

```

QUESTION 4

-----

URL : <http://toolsqa.com/automation-practice-form/>

NOTE: Give details and register the form.

```

Day3Exercise.java
1 package SeleniumJan09/src/org/test;
2
3 import org.openqa.selenium.By;
4
5 //https://www.snapdeal.com/
6 public class Day3Exercise {
7
8     public static void main(String[] args) {
9         System.setProperty("webdriver.chrome.driver","C:\\Users\\navee\\eclipse-workspace\\SeleniumDailyPractice\\driver\\chromedriver.exe");
10        WebDriver driver =new ChromeDriver();
11        driver.get("http://toolsqa.com/automation-practice-form/");
12
13        driver.manage().window().maximize();
14
15        WebElement txtFrom= driver.findElement(By.xpath("//a[@class='btn btn-primary-shadow btn-block']"));
16        txtFrom.click();
17        WebElement txtTo = driver.findElement(By.xpath("//a[@class='btn btn-primary-shadow btn-block']"));
18        txtTo.click();
19        WebElement btnLogin= driver.findElement(By.xpath("//button[@type='submit']"));
20        btnLogin.click();
21        WebElement txtFirstName= driver.findElement(By.xpath("//input[@type='text'])[3]"));
22        txtFirstName.sendKeys("NAVEEN");
23        WebElement txtLastName= driver.findElement(By.xpath("//input[@type='text')[4]"));
24        txtLastName.sendKeys("KUMAR");
25        WebElement txtEmail= driver.findElement(By.xpath("//input[@type='email']"));
26        txtEmail.sendKeys("naveennavin@gmail.com");
27        WebElement txtMobile= driver.findElement(By.xpath("//input[@type='text')[5]"));
28        txtMobile.sendKeys("7877979797");
29        WebElement txtCity= driver.findElement(By.xpath("//input[@type='text')[6]"));
30        txtCity.sendKeys("theni");
31
32    }
33
34
35 }
36
37
38
39

```

is being controlled by automated test software.

#### QUESTION 5

-----

URL : <http://greenstech.in/selenium-course-content.html>

NOTE: Click interview question +.

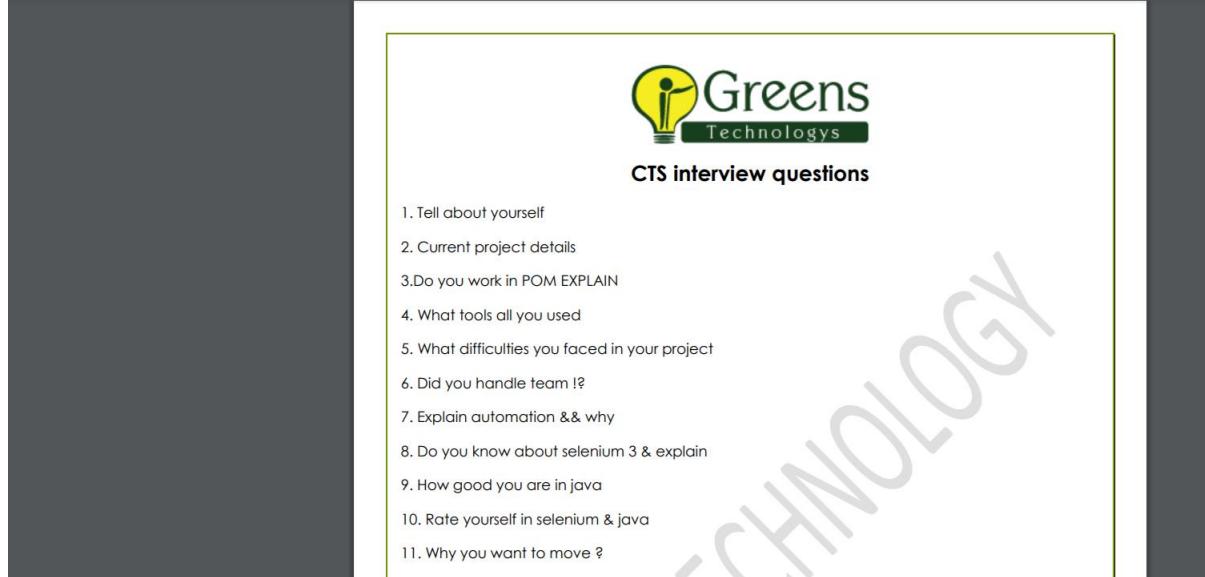
Click cts interview question

```
Console *FbLogin.java ✘ AutomationTestingWebsite.java
1 package org.tcs;
2
3*import org.openqa.selenium.WebDriver;
7
8 public class FbLogin {
9 public static void main(String[] args) {
10
11 System.setProperty("webdriver.chrome.driver","C:\\Users\\navee\\eclipse-workspace\\SeleniumDailyPractice\\driver\\chromedriver.exe");
12 WebDriver driver =new ChromeDriver();
13 driver.get("http://greenstech.in/selenium-course-content.html");
14 driver.manage().window().maximize();
15
16 WebElement txtLastName = driver.findElement(By.xpath("//h2[@class='title mb-0 center']"));
17 txtLastName.click();
18 WebElement txtFirstName = driver.findElement(By.xpath("//a[@title='Interview Questions'][6]"));
19 txtFirstName.click();
20
21 }
22 }
23
```

Selenium Training in Chennai | S cts.pdf

Not secure | traininginchennai.in/interview-questions/cts.pdf#toolbar=0

Chrome is being controlled by automated test software.

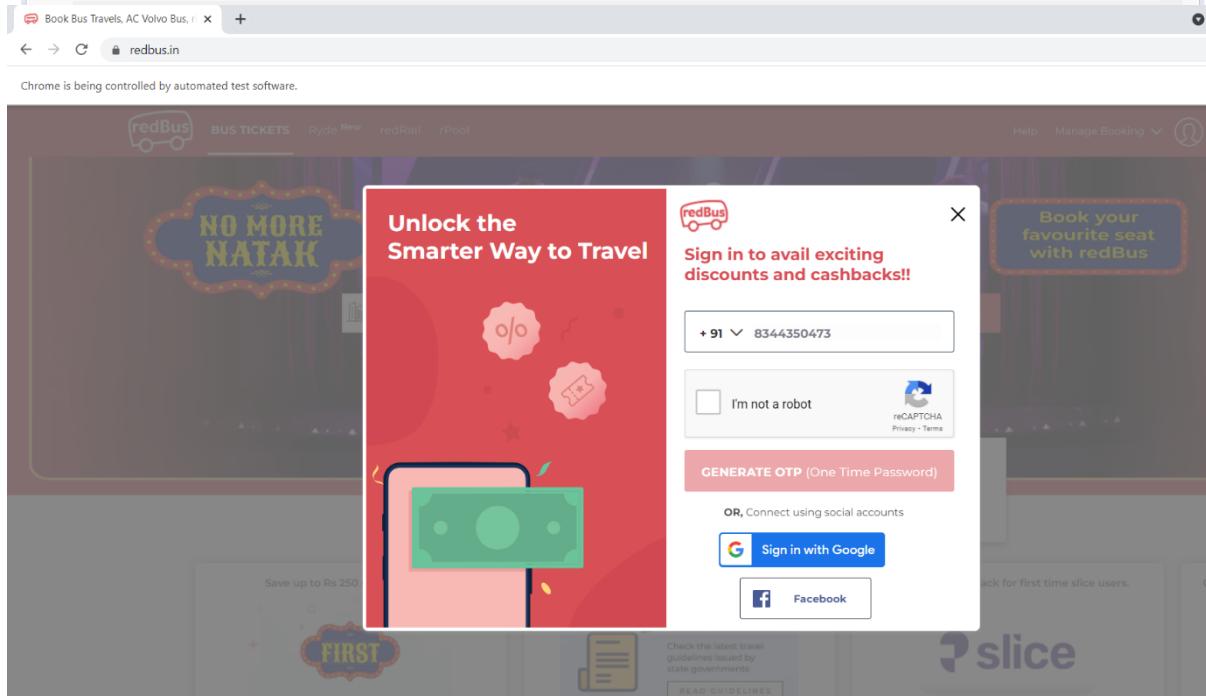


QUESTION 6

URL : <https://www.redbus.in/>

NOTE: Click ^[opposite of this] and signin/signup  
Enter Mobilenumber and click Generate OTP

```
DayPractice.java
1 package org.test;
2
3 import org.openqa.selenium.By;
4
5 public class DayPractice {
6     public static void main(String[] args) throws InterruptedException {
7         System.setProperty("webdriver.chrome.driver", "C:\\Users\\navee\\eclipse-workspace\\SeleniumJan09\\Driver\\chromedriver.exe");
8         WebDriver driver=new ChromeDriver();
9         driver.manage().window().maximize();
10        driver.get(" https://www.redbus.in/");
11        driver.manage().window().maximize();
12        WebElement findElement = driver.findElement(By.id("sign-in-icon-down"));
13        findElement.click();
14        WebElement findElement2 = driver.findElement(By.id("signInLink"));
15        findElement2.click();
16        driver.switchTo().frame(1);
17        //driver.switchTo().frame(0);
18        Thread.sleep(3000);
19        WebElement findElement3 = driver.findElement(By.xpath("//input[@type='number']"));
20        findElement3.sendKeys("8344350473");
21        WebElement findElement4 = driver.findElement(By.id("otp-container"));
22        findElement4.click();
23    }
24 }
25
26
27
28
29
30
31
32
33
34
35
36
37
```



#### QUESTION 7

-----  
URL : <https://www.cleartrip.com/trains>

NOTE: Enter From ,TO and click search trains

```

1 package org.test;
2
3@import org.openqa.selenium.By;[]
4
5 //https://www.snapdeal.com/
6 public class Day3Exercise {
7
8@public static void main(String[] args) {
9     System.setProperty("webdriver.chrome.driver","C:\\Users\\navee\\eclipse-workspace\\SeleniumDailyPractice\\driver\\chromedriver.exe");
10    WebDriver driver =new ChromeDriver();
11    driver.get("https://www.cleartrip.com/trains");
12
13    driver.manage().window().maximize();
14
15    WebElement txtFrom= driver.findElement(By.xpath("//input[@type='text'])[1]"));
16    txtFrom.sendKeys("CHENNAI");
17    WebElement txtTo = driver.findElement(By.xpath("//input[@type='text'])[2]"));
18    txtTo.sendKeys("MADURAI");
19    WebElement btnLogin= driver.findElement(By.xpath("//button[@type='submit']"));
20    btnLogin.click();
21
22 }
23
24 }
```

[cleartrip.com/trains](https://www.cleartrip.com/trains)

Chrome is being controlled by automated test software.

**Search trains**  
Indian Railways IRCTC Train Tickets Reservation

**From**: CHENNAI  
Chennai Beach (MSB)  
Chennai Central (MAS)  
Chennai Egmore (MS)

**To**: MADURAI

**Date**: dd/mm/yyyy

**Adults**: 1 (12-60 yrs)  
**Children**: 0 (5-11 yrs)  
**Senior men**: 0 (60+ yrs)  
**Senior women**: 0 (58+ yrs)

**Search trains**

QUESTION 8

URL :<http://greenstech.in/selenium-course-content.html>

NOTE: Click Model Reume + and click Resume Model 1

```

Console *Day3Exercise.java
1 package org.test;
2
3* import org.openqa.selenium.By;
4
5 //https://www.snapdeal.com/
6 public class Day3Exercise {
7
8 public static void main(String[] args) {
9     System.setProperty("webdriver.chrome.driver","C:\\Users\\navee\\eclipse-workspace\\SeleniumDailyPractice\\driver\\chromedriver.exe");
10    WebDriver driver =new ChromeDriver();
11    driver.get("http://greenstech.in/selenium-course-content.html");
12
13    driver.manage().window().maximize();
14    WebElement findElement = driver.findElement(By.xpath("//h2[@class='mb-0'][2]"));
15    findElement.click();
16
17    WebElement findElement2 = driver.findElement(By.xpath("//a[@target='_blank'][154]"));
18    findElement2.click();
19
20 }
21 }
22 }

Selenium Training in Chennai | Selenium | Fresher_Selenium_Resume.pdf + 
← → C ⚡ Not secure | traininginchennai.in/Fresher_Selenium_Resume.pdf

Chrome is being controlled by automated test software.

```

The screenshot shows a browser window displaying a PDF titled "Fresher Selenium Resume". The PDF consists of three pages:

- Page 1:** A cover letter from "Greens Technologies" with a yellow logo featuring a stylized person icon.
- Page 2:** A resume template with fields for NAME, Email Id, and Mobile.
- Page 3:** A footer page with the "Greens Technologies" logo.

The browser interface includes a navigation bar with back, forward, and search buttons, and a status bar at the bottom indicating "Chrome is being controlled by automated test software."

#### QUESTION 9

-----  
URL : <https://www.flipkart.com/>

NOTE: Click Login and Enter Username password

```

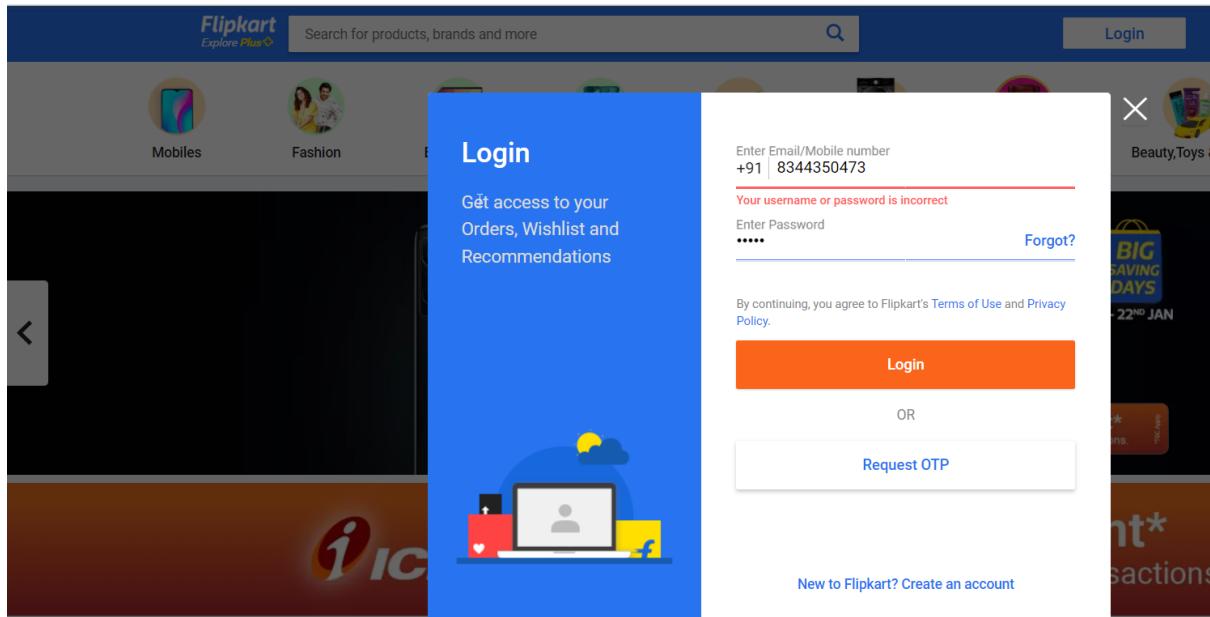
Console FbLogin.java
1 package org.tcs;
2
3* import org.openqa.selenium.WebDriver;
4
5
6 public class FbLogin {
7
8     public static void main(String[] args) {
9
10        System.setProperty("webdriver.chrome.driver", "C:\\Users\\navee\\eclipse-workspace\\SeleniumDailyPractice\\driver\\chromedriver.exe");
11        WebDriver driver =new ChromeDriver();
12        driver.get(" https://www.flipkart.com/");           //input[@type='text']class=_2IX_2- VJZDxU"class=_2KpZ6l _2HKlqd _3AWRsL"
13        driver.manage().window().maximize();
14        WebElement txtFirstName = driver.findElement(By.xpath("//input[@class='_2IX_2- VJZDxU'][1]"));
15        txtFirstName.sendKeys("8344350473");
16        WebElement txtLastName = driver.findElement(By.xpath("//input[@type='password']"));
17        txtLastName.sendKeys("KUMAR");
18        WebElement btnButton= driver.findElement(By.xpath("//button[@class=' _2KpZ6l _2HKlqd _3AWRsL']"));
19        btnButton.click();
20
21    }
22}

```

Online Shopping Site for Mobiles x +

← → C 🔒 flipkart.com

Chrome is being controlled by automated test software.



QUESTION 10

-----  
URL : <https://www.amazon.in/>

NOTE: Click any product and click search

Console FbLogin.java

```

1 package org.tcs;
2
3 import org.openqa.selenium.WebDriver;
4
5 public class FbLogin {
6 public static void main(String[] args) {
7
8 System.setProperty("webdriver.chrome.driver","C:\\Users\\navee\\eclipse-workspace\\SeleniumDailyPractice\\driver\\chromedriver.exe");
9 WebDriver driver =new ChromeDriver();
10 //System.setProperty("webdriver.gecko.driver","C:\\Users\\navee\\eclipse-workspace\\SeleniumDailyPractice\\driver\\geckodriver.exe");
11 //WebDriver driver =new FirefoxDriver();
12 driver.manage().window().maximize();
13
14 driver.get("https://www.amazon.in/");
15 WebElement findElement = driver.findElement(By.id("twotabsearchtextbox"));
16 findElement.sendKeys("REDMI NOTE 10 SERIES");
17 WebElement findElement1 = driver.findElement(By.id("nav-search-submit-button"));
18 findElement1.click();
19 WebElement findElement2 = driver.findElement(By.xpath("//span[@class='a-size-medium a-color-base a-text-normal'][1]"));
20 findElement2.click();
21
22 }
23
24 }
25
26 }
27 }
28 }
```

Amazon.in : REDMI NOTE 10 SER... a Redmi Note 10 Pro (Vintage Bro... +

amazon.in/Test-Exclusive\_2020\_1153-Multi-3GB-Storage/dp/B089MSK4J3/ref=sr\_1\_1?keywords=REDMI%2BNOTE%2B10%2BSERIES&qid=1643605524&sr=8-1&th=1

Chrome is being controlled by automated test software.

QUESTION 11

-----

URL :

<https://accounts.google.com/signup/v2/webcreateaccount?hl=en&flowName=GlifWebSignIn&flowEntry=SignUp>

NOTE: Give details and register the form.

```

Console Day3Exercise.java Test.java FbLogin.java
1 package org.tcs;
2
3 import org.openqa.selenium.WebDriver;
4
5 public class FbLogin {
6     public static void main(String[] args) {
7
8         System.setProperty("webdriver.chrome.driver", "C:\\\\Users\\\\navee\\\\eclipse-workspace\\\\SeleniumDailyPractice\\\\driver\\\\chromedriver.exe");
9         WebDriver driver = new ChromeDriver();
10        driver.get("https://accounts.google.com/signup/v2/webcreateaccount?hl=en&flowName=GlifWebSignIn&flowEntry=SignUp");
11        driver.manage().window().maximize();
12        WebElement txtFirstName = driver.findElement(By.xpath("//input[@type='text']"));
13        txtFirstName.sendKeys("NAVEEN");
14        WebElement txtLastName = driver.findElement(By.xpath("//input[@name='lastName']"));
15        txtLastName.sendKeys("kumar");
16        WebElement txtEmail = driver.findElement(By.xpath("//input[@spellcheck='false'][3]"));
17        txtEmail.sendKeys("NAVENKUMARGAMAIL");
18
19        WebElement txtPassword= driver.findElement(By.xpath("//input[@name='Passwd']"));
20        txtPassword.sendKeys("NAVEENKUMAR");
21        WebElement txtCPassword= driver.findElement(By.xpath("//input[@name='ConfirmPasswd']"));
22        txtCPassword.sendKeys("NAVEENKUMAR");
23        WebElement btnClick= driver.findElement(By.xpath("//input[@type='checkbox']"));
24        btnClick.click();
25
26    }
27 }
28
29
30

```

Create your Google Account    X    +

- → C accounts.google.com/signup/v2/webcreateaccount?hl=en&flowName=GlifWebSignIn&flowEntry=SignUp

Chrome is being controlled by automated test software.

QUESTION 12

-----  
URL : <https://www.snapdeal.com/>

NOTE: Click signin and click new register and enter mobile number abd click continue.

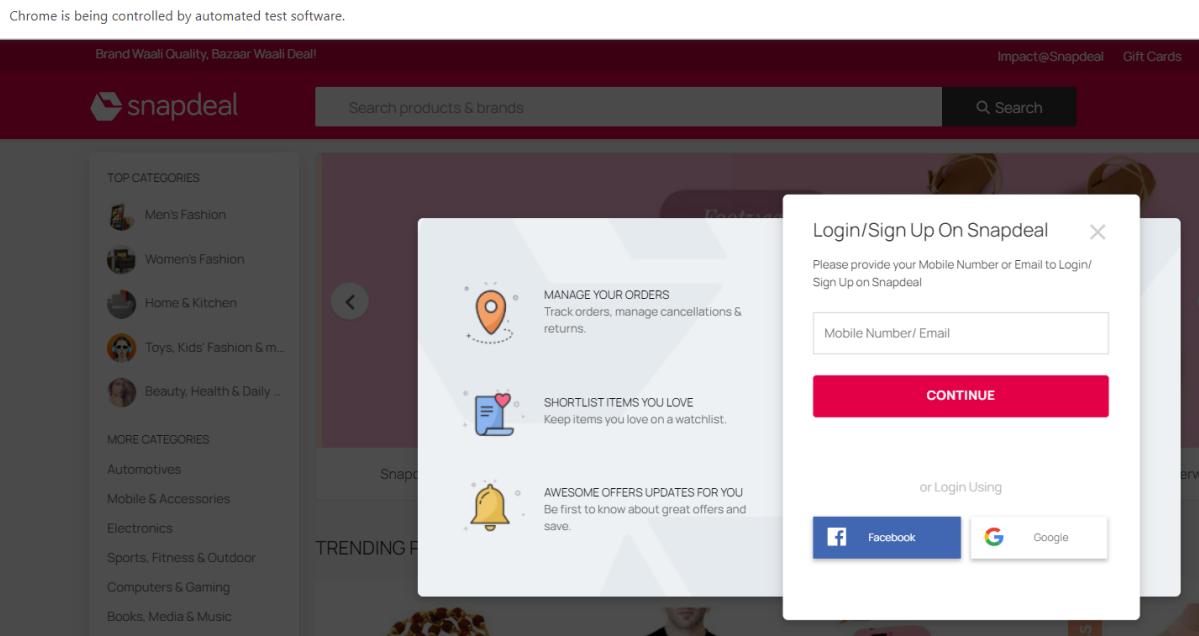
```

FbLogin.java
1 package org.tcs;
2
3 import org.openqa.selenium.WebDriver;
4
5 public class FbLogin {
6     public static void main(String[] args) {
7
8         System.setProperty("webdriver.chrome.driver", "C:\\\\Users\\\\navee\\\\eclipse-workspace\\\\SeleniumDailyPractice\\\\");
9         WebDriver driver = new ChromeDriver();
10        //System.setProperty("webdriver.gecko.driver", "C:\\\\Users\\\\navee\\\\eclipse-workspace\\\\SeleniumDailyPractice\\\\");
11        //WebDriver driver = new FirefoxDriver();
12        driver.manage().window().maximize();
13
14        driver.get("https://www.snapdeal.com/");
15        WebElement signIn = driver.findElement(By.xpath("//span[text()='Sign In']"));
16        signIn.click();
17        WebElement signIn1 = driver.findElement(By.xpath("//span[text()='Register']"));
18        signIn1.click();
19
20        WebElement findElement = driver.findElement(By.xpath("//input[@placeholder='Mobile Number/ Email']"));
21        findElement.sendKeys("8787780908");
22        WebElement findElement1 = driver.findElement(By.id("checkUser"));
23        findElement1.click();
24    }
25 }

```

void org.openqa.selenium.WebElement.click()

Shop Online for Men, Women & +  
snapdeal.com



QUESTION 13

-----  
URL : <https://www.myntra.com/register?referer=https://www.myntra.com/>

NOTE: Enter Mobile number and click continue

```
Console *FbLogin.java AutomationTestingWebsite.java
1 package org.tcs;
2
3 import org.openqa.selenium.WebDriver;
4
5 public class FbLogin {
6 public static void main(String[] args) {
7
8 System.setProperty("webdriver.chrome.driver","C:\\Users\\navee\\eclipse-workspace\\SeleniumDailyPractice\\driver\\chromedriver.exe");
9 WebDriver driver =new ChromeDriver();
10 driver.get("https://www.myntra.com/register?referer=https://www.myntra.com/");
11 driver.manage().window().maximize();
12
13 WebElement txtLastName = driver.findElement(By.xpath("//input[@autocomplete='new-password']"));
14 txtLastName.sendKeys("8767676878");
15 //WebElement txtFirstName = driver.findElement(By.xpath(""));
16 //txtFirstName.click();
17
18 }
19 }
20
21 }
22 }
23
```

Mynta

myntra.com/register?referer=https://www.myntra.com/

Chrome is being controlled by automated test software.

MEN WOMEN KIDS HOME LIVING STUDIO

Search for products, brands and more

FLAT ₹400 OFF ! + FREE DELIVERY on your first order  
Use code: MYNTRA400

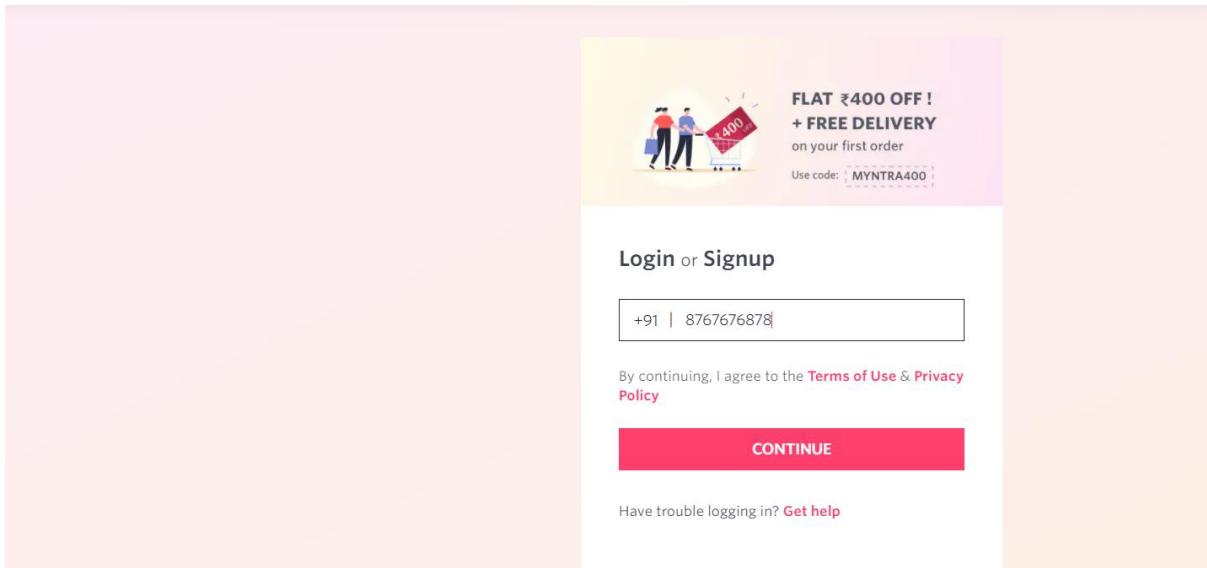
Login or Signup

+91 | 8767676878

By continuing, I agree to the [Terms of Use](#) & [Privacy Policy](#)

CONTINUE

Have trouble logging in? [Get help](#)



QUESTION 14

-----

URL : <https://www.swiggy.com/>

NOTE: Click sign up and Give details and register the form.

```
Console FbLogin.java AutomationTestingWebsite.java
1 package org.tcs;
2
3*import org.openqa.selenium.WebDriver;
4
5 public class FbLogin {
6     public static void main(String[] args) {
7
8         System.setProperty("webdriver.chrome.driver", "C:\\\\Users\\\\navee\\\\eclipse-workspace\\\\SeleniumDailyPractice\\\\driver\\\\chromedriver.exe");
9         WebDriver driver =new ChromeDriver();
10        driver.get("https://www.swiggy.com/");
11        driver.manage().window().maximize();
12
13        WebElement txtSignUp= driver.findElement(By.xpath("//a[@class='r2iyh']"));
14        txtSignUp.click();
15        WebElement txtPhoneNumber = driver.findElement(By.xpath("//input[@type='tel']"));
16        txtPhoneNumber.sendKeys("2748278278");
17        WebElement txtFirstName = driver.findElement(By.xpath("//input[@id='name']"));
18        txtFirstName.sendKeys("NAVEEN");
19        WebElement txtEmail = driver.findElement(By.xpath("//input[@type='email']"));
20        txtEmail.sendKeys("nnini");
21        WebElement txtPassword = driver.findElement(By.xpath("//input[@name='password']"));
22        txtPassword.sendKeys("nnini");
23        WebElement btnContinue = driver.findElement(By.xpath("//a[@class='a-ayg']"));
24        btnContinue.click();
25
26
27
28
29
30
31    }
32  }
33
```

The screenshot displays a Selenium test running against the Swiggy website. On the left, the main Swiggy homepage is visible with its logo and a 'Hungry?' prompt. A sign-up overlay is open in the center. On the right, a detailed view of the sign-up form is shown. The form fields are as follows:

- Phone number: 2748278278 (highlighted in red)
- Name: NAVEEN (highlighted in red)
- Email: nnini (highlighted in red)
- Password: (redacted)
- Referral code: (redacted)

Validation messages are displayed next to each field: 'Invalid email address' for the email field, 'Password should be min 6 chars' for the password field, and 'Have a referral code?' above the password field.

SELENIUM  
-----  
DAY4  
-----  
Debug  
Xpath contains, text  
getText();  
getAttribute();  
QUESTIONS (Practical)  
-----  
QUESTION 1  
-----  
URL : <http://www.greensTechnologys.com>

NOTE: Print Greens Technologies Software Training Centers in Chennai

```
Test.java ☒
1 package org.test;
2
3@ import java.awt.AWTException;□
4
5
6 public class Test {
7
8    public static void main(String[] args) throws AWTException, InterruptedException {
9        System.setProperty("webdriver.chrome.driver", "C:\\Users\\navee\\eclipse-workspace\\SeleniumJan09\\Driver\\chromedriver.exe");
10       WebDriver driver = new ChromeDriver();
11
12       driver.manage().window().maximize();
13       driver.get("http://www.greentechnologys.com");
14       WebElement addressGreens = driver.findElement(By.xpath("//u[contains(text(),'Greens')]"));
15       String text = addressGreens.getText();
16       System.out.println(text);
17
18    }
19
20 }
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NOTE: Print paragraph starts with vel murugan.

The screenshot shows the Eclipse IDE interface. The top part displays a Java file named 'Test.java' with the following code:

```
1 package org.test;
2
3 import java.awt.AWTException;
4
5 public class Test {
6
7     public static void main(String[] args) throws AWTException, InterruptedException {
8         System.setProperty("webdriver.chrome.driver", "C:\\Users\\navee\\eclipse-workspace\\SeleniumJan09\\Driver\\chromedriver.exe");
9         WebDriver driver = new ChromeDriver();
10
11         driver.manage().window().maximize();
12         driver.get("http://www.greentechnologies.com/selenium-training-in-chennai.html");
13         WebElement addressGreens = driver.findElement(By.xpath("//p[contains(text(),'Velmurugan')]"));
14         String text = addressGreens.getText();
15         System.out.println(text);
16     }
17 }
18
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29 }
```

The bottom part shows the 'Console' tab with the following terminal output:

```
<terminated> Test (5) [Java Application] C:\Users\navee\p2\pool\plugins\org.eclipse.jdt\openjdkhotspot\jre\full\win32\x86_64_17.0.1.v20211116-1657\jre\bin\javaw.exe (31-Jan-2022, 12:25:54 PM)
Starting ChromeDriver 97.0.4692.71 (adefaf837d02a07a604c1e6eff0b3a09422ab88d-refs/branch-heads/4692@{#1247}) on port 52316
Only local connections are allowed.
Please see https://chromedriver.chromium.org/security-considerations for suggestions on keeping ChromeDriver safe.
ChromeDriver was started successfully.
Jan 31, 2022 12:25:56 PM org.openqa.selenium.remote.ProtocolHandshake createSession
INFO: Detected dialect: W3C
Jan 31, 2022 12:25:56 PM org.openqa.selenium.devtools.CdpVersionFinder findNearestMatch
WARNING: Unable to find an exact match for CDP version 97, so returning the closest version found: 96
Jan 31, 2022 12:25:56 PM org.openqa.selenium.devtools.CdpVersionFinder findNearestMatch
INFO: Found CDP implementation for version 97 of 96
Velmurugan Prabhakar j! I am really delighted about the Selenium course and i am surprised to see the depth of your knowledge in all aspects of the software testing. I see that
```

QUESTION 3

-----  
URL : <http://greenstech.in/selenium-course-content.html>

NOTE: Print the adayar branch address

```

Console FbLoginjava
1 package org.tcs;
2
3

```

QUESTION 4

-----

URL : http://greenstech.in/selenium-course-content.html

NOTE: Print the omr branch address

```

Console FbLogin.java
1 package org.tcs;
2
3@import org.openqa.selenium.WebDriver;
4
5 public class FbLogin {
6@public static void main(String[] args) {
7
8 System.setProperty("webdriver.chrome.driver","C:\\Users\\navee\\eclipse-workspace\\SeleniumDailyPractice\\driver\\chromedriver.exe");
9 WebDriver driver =new ChromeDriver();
10 //System.setProperty("webdriver.gecko.driver","C:\\Users\\navee\\eclipse-workspace\\SeleniumDailyPractice\\driver\\geckodriver.exe");
11 //WebDriver driver =new FirefoxDriver();
12 driver.manage().window().maximize();
13 driver.get("http://greenstechnologyomrleads@gmail.com");
14 WebElement addressGreens = driver.findElement(By.xpath("//h6[contains(text(),'Greens')])[2]"));
15 String text = addressGreens.getText();
16 System.out.println(text);
17 WebElement addressGreens1 = driver.findElement(By.xpath("//span[text()='Plot No.19,']"));
18 String text1 = addressGreens1.getText();
19 System.out.println(text1);
20 WebElement addressGreens2 = driver.findElement(By.xpath("//span[text()=' Balamurugan Garden,']"));
21 String text2 = addressGreens2.getText();
22 System.out.println(text2);
23 WebElement addressGreens3 = driver.findElement(By.xpath("//span[text()=' OMR Road,Kancheepuram District,']"));
24 String text3 = addressGreens3.getText();
25 System.out.println(text3);
26 WebElement addressGreens4 = driver.findElement(By.xpath("//span[text()=' Okkiam, Thoraipakkam,']"));
27 String text4 = addressGreens4.getText();
28 System.out.println(text4);
29 WebElement addressGreens5 = driver.findElement(By.xpath("//span[text()=' Jain college bus stop,']"));
30 String text5 = addressGreens5.getText();
31 System.out.println(text5);
32 WebElement addressGreens6 = driver.findElement(By.xpath("//a[text()='+91 9944152058'][4]"));
33 String text6 = addressGreens6.getText();
34 System.out.println(text6);
35 WebElement addressGreens7 = driver.findElement(By.xpath("//a[text()='greenstechnologyomrleads@gmail.com'][2]"));
36 String text7 = addressGreens7.getText();
37 System.out.println(text7);
38 }
39 }
40

```

Console FbLogin.java

```

<terminated> FbLogin [Java Application] C:\Users\navee\p2\pool\plugins\org.eclipse.jdt.core\4.17.0.1.v20211116-1657\jre\bin\javaw.exe
$Starting ChromeDriver 97.0.4692.71 (adefab7837d02a07a604c1e6eff0b3a09422ab88d-refs/branch-heads/4692@{#1247}) on port 51350
Only local connections are allowed.
Please see https://chromedriver.chromium.org/security-considerations for suggestions on keeping ChromeDriver safe.
ChromeDriver was started successfully.
Jan 31, 2022 12:08:44 PM org.openqa.selenium.remote.ProtocolHandshake createSession
INFO: Detected dialect: W3C
Jan 31, 2022 12:08:46 PM org.openqa.selenium.devtools.CdpVersionFinder findNearestMatch
WARNING: Unable to find an exact match for CDP version 97, so returning the closest version found: 96
Jan 31, 2022 12:08:46 PM org.openqa.selenium.devtools.CdpVersionFinder findNearestMatch
INFO: Found CDP implementation for version 97 of 96
Greens Technology OMR
Plot No.19,
Balamurugan Garden,
OMR Road,Kancheepuram District,
Okkiam, Thoraipakkam,
Jain college bus stop,
+91 9944152058
greenstechnologyomrleads@gmail.com

```

QUESTION 5

-----  
URL : http://www.greenstechnologyomrleads@gmail.com

NOTE: Print the paragraph starts with Greens Technology

Console > JavaScript1 [Java Application] C:\Users\navee\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86\_64\_17.0.1.v20211116-1657\jre\bin\javaw.exe (08-Feb-2022, 4:13:07 PM)  
Starting ChromeDriver 97.0.4692.71 (adef7837d02a7a604c1e6eff0f03a09422ab88d-refs/branch-heads/4692@{#1247}) on port 51954  
Only local connections are allowed.  
Please see https://chromedriver.chromium.org/security-considerations for suggestions on keeping ChromeDriver safe.  
ChromeDriver was started successfully.  
Feb 08, 2022 4:13:14 PM org.openqa.selenium.remote.ProtocolHandshake createSession  
INFO: Detected dialect: W3C  
Feb 08, 2022 4:13:16 PM org.openqa.selenium.devtools.CdpVersionFinder findNearestMatch  
WARNING: Unable to find an exact match for CDP version 97, so returning the closest version found: 96  
Feb 08, 2022 4:13:16 PM org.openqa.selenium.devtools.CdpVersionFinder findNearestMatch  
INFO: Found CDP implementation for version 97 of 96  
GREENS TECHNOLOGY in ADYAR offers best software training and placement exclusively on Python, Oracle, Selenium, Amazon Web Services(AWS), Data Warehouse, Java, Sharepoint, Software  
  

### JavaScript.java

```
14 import org.openqa.selenium.WebElement;
15 import org.openqa.selenium.chrome.ChromeDriver;
16 import org.openqa.selenium.interactions.Actions;
17 import org.openqa.selenium.support.ui.Select;
18 public class JavaScript1 {
19     public static void main(String[] args) throws InterruptedException, AWTException {
20         System.setProperty("webdriver.chrome.driver", "C:\\\\Users\\\\navee\\\\eclipse-workspace\\\\SeleniumJan09\\\\Driver\\\\chromedriver.exe");
21         WebDriver driver=new ChromeDriver();
22         driver.get("http://www.greentechnologys.com/");
23         driver.manage().window().maximize();
24         WebElement findElement = driver.findElement(By.xpath("//p[@style='text-align:justify; font-size:18px;'][1]"));
25         String text = findElement.getText();
26         System.out.println( text);
27     }
28 }
29
30 }
```

### JavaScript1.java

```
1 package org.test;
2
3 import java.awt.AWTException;
4 import java.awt.Robot;
5 import java.awt.event.KeyEvent;
6 import java.util.HashSet;
7 import java.util.List;
8 import java.util.Set;
9
10 //import java.util.List;
11
12 import org.openqa.selenium.By;
13 import org.openqa.selenium.WebDriver;
14 import org.openqa.selenium.WebElement;
15 import org.openqa.selenium.chrome.ChromeDriver;
16 import org.openqa.selenium.interactions.Actions;
17 import org.openqa.selenium.support.ui.Select;
18 public class JavaScript1 {
19     public static void main(String[] args) throws InterruptedException, AWTException {
20         System.setProperty("webdriver.chrome.driver", "C:\\\\Users\\\\navee\\\\eclipse-workspace\\\\SeleniumJan09\\\\Driver\\\\chromedriver.exe");
21         WebDriver driver=new ChromeDriver();
22         driver.get("http://www.greentechnologys.com/");
23         driver.manage().window().maximize();
24         WebElement findElement = driver.findElement(By.xpath("//p[@style='text-align:justify; font-size:18px;'][1]"));
25         String text = findElement.getText();
26         System.out.println( text);
27     }
28 }
29
30 }
```

**QUESTION 6**

URL : <https://www.facebook.com/>

NOTE: Print the email and password which was entered by user

```

 1 package org.test;
 2
 3*import java.awt.AWTException;*
 4
 5
 6 public class Test {
 7
 8@ public static void main(String[] args) throws AWTException, InterruptedException {
 9    System.setProperty("webdriver.chrome.driver", "C:\\Users\\navee\\eclipse-workspace\\SeleniumJan09\\Driver\\chromedriver.exe");
10    WebDriver driver = new ChromeDriver();
11
12    driver.manage().window().maximize();
13    driver.get("https://www.facebook.com/");
14    WebElement txtUserName = driver.findElement(By.id("email"));
15    txtUserName.sendKeys("NAVEEN123");
16    String attribute = txtUserName.getAttribute("value");
17    System.out.println(attribute);
18    WebElement txtUserName1 = driver.findElement(By.xpath("//input[@type='password']"));
19    txtUserName1.sendKeys("738783737823");
20    String attribute1 = txtUserName1.getAttribute("value");
21    System.out.println(attribute1);
22}
23}
24
25
26
27
28
29
30
31
32
33
34
35

```

Console

```

<terminated> Test (5) [Java Application] C:\Users\navee\p2\pool\plugins\org.eclipse.jdt.openjdk.hotspot.jre.full.win32.x86_64_17.0.1.v20211116-1657\jre\bin\javaw.exe (31-Jan-2022, 1:00:26 PM)
Starting ChromeDriver 97.0.4692.71 (adefaf837d02a07a604c1e6eff0b3a09422ab88d-refs/branch-heads/4692@(#1247)) on port 60880
Only local connections are allowed.
Please see https://chromedriver.chromium.org/security-considerations for suggestions on keeping ChromeDriver safe.
ChromeDriver was started successfully.
Jan 31, 2022 1:00:30 PM org.openqa.selenium.remote.ProtocolHandshake createSession
INFO: Detected dialect: W3C
Jan 31, 2022 1:00:30 PM org.openqa.selenium.devtools.CdpVersionFinder findNearestMatch
WARNING: Unable to find an exact match for CDP version 97, so returning the closest version found: 96
Jan 31, 2022 1:00:30 PM org.openqa.selenium.devtools.CdpVersionFinder findNearestMatch
INFO: Found CDP implementation for version 97 of 96
NAVEEN123
738783737823

```

Facebook - log in or sign up

facebook.com

Chrome is being controlled by automated test software.

QUESTION 7

-----

URL : <http://www.google.com/>

NOTE: Search greens velmurugan and click the 1st link.

```
Console *Day3Exercise.java ▾
1 package org.test;
2
3*import java.awt.AWTException;□
16
17
18 public class Day3Exercise {
19     public static void main(String[] args) throws AWTException, InterruptedException {
20         System.setProperty("webdriver.chrome.driver", "C:\\Users\\navee\\eclipse-workspace\\SeleniumDailyPractice\\driver\\chromedriver.exe");
21
22         WebDriver driver =new ChromeDriver();
23         driver.get("http://www.google.com/");
24
25         driver.manage().window().maximize();
26
27         WebElement findElement = driver.findElement(By.name("q"));
28         findElement.sendKeys("greens velmurugan" + Keys.ENTER);
29     }
30     WebElement txtFrom1= driver.findElement(By.xpath("//h3[@class='LC20lb MBeu0 DKV0Md'][1]"));
31     txtFrom1.click();
32
33     }
34     }
35     }
36     }
37 }
```

QUESTION 8

-----  
URL : <http://adactinhotelapp.com/>

NOTE: Print the UserName and Password that you are entered.

```

Day3Exercise.java
1 package org.test;
2
3 import java.awt.AWTException;
4
5 public class Day3Exercise {
6     public static void main(String[] args) throws AWTException, InterruptedException {
7         System.setProperty("webdriver.chrome.driver","C:\\Users\\navee\\eclipse-workspace\\SeleniumDailyPractice\\driver\\chromedriver.exe");
8
9         WebDriver driver =new ChromeDriver();
10        driver.get("http://adactinhotelapp.com/");
11
12        driver.manage().window().maximize();
13        WebElement txtFrom1= driver.findElement(By.id("username"));
14        txtFrom1.sendKeys("NAVEEN");
15        String att = txtFrom1.getAttribute("value");
16        System.out.println(att);
17        WebElement findElement = driver.findElement(By.id("password"));
18        findElement.sendKeys("greens velmurugan");
19        String att1 = findElement.getAttribute("value");
20        System.out.println(att1);
21    }
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
}

Console
<terminated> Day3Exercise [Java Application] C:\Users\navee\p2\pool\plugins\org.eclipse.jdt.openjdk.hotspot.jre.full.win32.x86_64_17.0.1.v20211116-1657\jre\bin\javaw.exe (31-Jan-2022, 1:5 Starting ChromeDriver 97.0.4692.71 (adefaf7837d02a07a604c1e6eff0b3a09422ab88d-refs/branch-heads/4692@{#1247}) on port 59827 Only local connections are allowed. Please see https://chromedriver.chromium.org/security-considerations for suggestions on keeping ChromeDriver safe. ChromeDriver was started successfully. Jan 31, 2022 1:51:09 PM org.openqa.selenium.remote.ProtocolHandshake createSession INFO: Detected dialect: W3C Jan 31, 2022 1:51:09 PM org.openqa.selenium.devtools.CdpVersionFinder findNearestMatch WARNING: Unable to find an exact match for CDP version 97, so returning the closest version found: 96 Jan 31, 2022 1:51:09 PM org.openqa.selenium.devtools.CdpVersionFinder findNearestMatch INFO: Found CDP implementation for version 97 of 96 NAVEEN greens velmurugan
Adactin.com - Hotel Reservation + ← → ⌂ Not secure | adactinhotelapp.com
Chrome is being controlled by automated test software.



```

QUESTION 9

URL : <https://www.snapdeal.com/>

NOTE: Search any product and click 1st product

```

*DayPractice.java
1 package org.test;
2
3 import java.util.Set;
4
5 import org.openqa.selenium.By;
6 import org.openqa.selenium.JavascriptExecutor;
7 import org.openqa.selenium.Keys;
8 import org.openqa.selenium.WebDriver;
9 import org.openqa.selenium.WebElement;
10 import org.openqa.selenium.chrome.ChromeDriver;
11 import org.openqa.selenium.interactions.Action;
12 import org.openqa.selenium.interactions.Actions;
13
14 public class DayPractice {
15     public static void main(String[] args) throws InterruptedException {
16         System.setProperty("webdriver.chrome.driver", "C:\\Users\\navee\\eclipse-workspace\\SeleniumJan09\\Driver\\chromedriver.exe");
17         WebDriver driver=new ChromeDriver();
18
19
20         driver.get("https://www.snapdeal.com/");
21
22         driver.manage().window().maximize();
23         WebElement txtFrom1= driver.findElement(By.name("keyword"));
24         txtFrom1.sendKeys("REDMI NOTE 10 SERIES");
25         Thread.sleep(3000);
26         WebElement txtClick = driver.findElement(By.xpath("//span[text()='Search']"));
27         txtClick.click();
28         WebElement txtClick= driver.findElement(By.xpath("//p[@class='product-title'][1]"));
29         txtClick.click();
30     }
31 }
32
33
34
35
36
37

```

Snapdeal.com - Online shopping | Xiaomi Redmi Note 10 Pro Defen | +

← → C snapdeal.com/search?keyword=REDMI%20NOTE%2010%20SERIES&santizedKeyword=&catId=&categoryId=0&suggested=false&vertical=&noOfResults=20&searchState=&clickSrc=go\_header&di

Chrome is being controlled by automated test software.

Brand Waali Quality Bazaar Waali Deal

Impact@Snapdeal Gift Cards Help Center Sell On Snapdeal D

**snapdeal**   Cart

We've got 5 results for 'REDMI NOTE 10 SERIES'

Sort by: Relevance

Category	Product Name	Price	Rating
Mobiles & Tablets	Xiaomi Redmi Note 10 Pro Defender Series Covers Wow Imagine - Black	Rs. 279	4.5 (15)
	Xiaomi Redmi Note 10 Defender Series Covers Wow Imagine - Black	Rs. 279	4.5 (13)
	Redmi Note 10T Defender Series Covers NBOX - Black	Rs. 339	4.5 (6)
	Xiaomi Redmi Note 10 Pro Defen Series Covers NBOX - Black	Rs. 339	4.5 (11)

VIEW MORE

Enter your pincode

Brands:

- NBOX
- Sleek
- Wow Imagine

Price Range:

Customer Rating:

Snapdeal.com - Online shopping X Xiaomi Redmi Note 10 Pro Defender Series Covers Wow Imagine - Black

← → C snapdeal.com/product/xiaomi-redmi-note-10-pro/630597742731#breadcrumbSearch:REDMI%20NOTE%2010%20SERIES

Chrome is being controlled by automated test software.

Brand Waali Quality, Bazaar Waali Deal!

Impact@Snapdeal Gift Cards Help Center Sell On Snapdeal Dov

Brand Waali Quality, Bazaar Waali Deal!

**snapdeal** Search products & brands

Cart Sign In

Home > Search: REDMI NOTE 10 SERIES > Xiaomi Redmi Note 10 Pro Defender Series Covers Wow Imagine - Black

Xiaomi Redmi Note 10 Pro Defender Series Covers Wow Imagine - Black

★★★★★ (4.9) 15 Ratings | 3 Reviews | 1 Selfie | Have a question?

MRP Rs-999 (Inclusive of all taxes)

**Rs. 279** 72% OFF

(2) Offers Applicable on cart

15% Instant Discount Using AU S Finance Bank Debit & Credit Cards T&C

Get 15% Cashback Using Dhani Or freedom card T&C

Type

Color

Defender Series Covers

Black

Hover to zoom

QUESTION 10

-----

URL : <https://www.flipkart.com/>

NOTE: Search any product and click 1st product

```

1 package org.test;
2
3 import java.awt.AWTException;
4
5 public class Day3Exercise {
6     public static void main(String[] args) throws AWTException, InterruptedException {
7         System.setProperty("webdriver.chrome.driver", "C:\\\\Users\\\\navee\\\\eclipse-workspace\\\\SeleniumDailyPractice\\\\driver\\\\chromedriver.exe");
8
9         WebDriver driver =new ChromeDriver();
10        driver.get("https://www.flipkart.com/");
11
12        driver.manage().window().maximize();
13        WebElement txtFrom1= driver.findElement(By.name("q"));
14        txtFrom1.sendKeys("REDMI NOTE 10 SERIES");
15        WebElement txtFrom2= driver.findElement(By.xpath("//button[@class='_2KpZ6l _2doB4z']"));
16        txtFrom2.click();
17        WebElement txtFrom3= driver.findElement(By.xpath("//button[@type='submit']"));
18        txtFrom3.click();
19        WebElement txtFrom4= driver.findElement(By.xpath("//div[@class='_4rR01T'][2]"));
20        txtFrom4.click();
21    }
22
23 }

```

REDMI NOTE 10 SERIES- Buy Pro x +

flipkart.com/search?q=REDMI%20NOTE%2010%20SERIES&otracker=search&otracker1=search&marketplace=FLIPKART&as-show=

Chrome is being controlled by automated test software.

Flipkart Explore Plus

REDMI NOTE 10 SERIES

Login More Cart

Electronics TVs & Appliances Men Women Baby & Kids Home & Furniture Sports, Books & More Flights Offer Zone

**Filters**

CATEGORIES

< Mobiles & Accessories

Mobiles

PRICE

Min to ₹50000+

Assured

GST INVOICE AVAILABLE

RAM

6 GB & Above

4 GB

3 GB

QUESTION 11

-----

URL : <https://www.flipkart.com/>

Showing 1 – 24 of 215 results for "redmi note 10"

Show results for [REDMI NOTE 10 SERIES](#) instead

Sort By **Relevance** Popularity Price – Low to High Price – High to Low Newest First

**REDMI Note 10S (Deep Sea Blue, 128 GB)**

₹17,499

₹20,999 16% off

Free delivery

Upto ₹15,850 Off on Exchange

4.3 ★ 550 Ratings & 33 Reviews

- 8 GB RAM | 128 GB ROM | Expandable Upto 512 GB
- 16.33 cm (6.43 inch) Full HD+ Display
- 64MP + 8MP + 2MP + 2MP | 13MP Front Camera
- 5000 mAh Lithium-Polymer Battery
- Mediatek Helio G95 Processor
- 1 Year Manufacturer Warranty for Phone and 6 Months Warranty for In the Box Accessories

**REDMI Note 10S (Shadow Black, 128 GB)**

₹17,499

₹20,999 16% off

Free delivery

4.3 ★ 550 Ratings & 33 Reviews

NOTE: Click login and enter User name password  
Print the details you are given.

Console

```

<terminated> Day3Exercise [Java Application] C:\Users\Naveen
Starting ChromeDriver 97.0.4692.71 (ade
Only local connections are allowed.
Please see https://chromedriver.chromium.org
ChromeDriver was started successfully.
Feb 03, 2022 10:03:24 AM org.openqa.selenium.WebDriver$DriverInfo log
INFO: Detected dialect: W3C
Feb 03, 2022 10:03:25 AM org.openqa.selenium.WebDriver$DriverInfo log
WARNING: Unable to find an exact match
Feb 03, 2022 10:03:25 AM org.openqa.selenium.WebDriver$DriverInfo log
INFO: Found CDP implementation for vendor
NAVEEN
989898989

```

Day3Exercise.java

```

1 package org.test;///FLIPKART WEBSITE NOT WORKING
2
3* import java.awt.AWTException;
4
5 public class Day3Exercise {
6 public static void main(String[] args) throws AWTException, InterruptedException {
7 //System.setProperty("webdriver.gecko.driver", "C:\\Users\\naveen\\eclipse-workspace\\SeleniumDailyPractice\\driver\\geckodriver.exe");
8 //WebDriver driver =new FirefoxDriver();
9
10
11 System.setProperty("webdriver.chrome.driver","C:\\Users\\naveen\\eclipse-workspace\\SeleniumDailyPractice\\driver\\chromedriver.exe");
12 WebDriver driver =new ChromeDriver();
13 driver.get("https://www.flipkart.com/");
14 driver.manage().window().maximize();
15 WebElement txtFrom2= driver.findElement(By.xpath("//a[text()='Login']"));
16 //txtFrom2.click();
17 WebElement txtFrom3= driver.findElement(By.xpath("//input[@type='text'][2]"));
18 txtFrom3.sendKeys("NAVEEN");
19 String attribute = txtFrom3.getAttribute("value");
20 System.out.println(attribute);
21 WebElement txtFrom4= driver.findElement(By.xpath("//input[@type='password']"));
22 txtFrom4.sendKeys("989898989");
23 String attribute2 = txtFrom4.getAttribute("value");
24 System.out.println(attribute2);
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45

```

Online Shopping Site for Mobile

## QUESTION 12

URL : <https://www.shopclues.com/wholesale.html>

NOTE: Search any product and click 1st product

```
Console DayPractice.java
1 package org.test;
2
3@import org.openqa.selenium.By;
4
5 public class DayPractice {
6     public static void main(String[] args) {
7         System.setProperty("webdriver.chrome.driver", "C:\\Users\\navee\\eclipse-workspace\\SeleniumJan09\\Driver\\chromedriver.exe");
8         WebDriver driver=new ChromeDriver();
9         driver.get("https://www.shopclues.com/wholesale.html");
10        WebElement txtFCEBook = driver.findElement(By.id("autocomplete"));
11        txtFCEBook.sendKeys("APPLE IPHONE");
12        WebElement txtUserName = driver.findElement(By.xpath("//a[@onclick='searchTrigger()']"));
13        txtUserName.click();
14        WebElement txtUserName1 = driver.findElement(By.xpath("//h2[text()='RSC POWER+ 0.3Mm Pro, Tempered Glass Screen Protector F']"));
15        txtUserName1.click();
16    }
17 }
```

Online Shopping Store | Buy Online | Buy Online @ ₹ from ShopClues +

shopclues.com/rsc-power-0.3mm-pro-tempered-glass-screen-protector-for-apple-iphone-7-plus-120648896.html

Chrome is being controlled by automated test software.

Sell With Us | Call Us | Download App:

[SHOPCLUES.COM](#)  What is on your mind today?  Share Location

MOBILES & MORE MEN WOMEN HOME & KITCHEN APPLIANCES SPORTS & MORE ESSENTIALS OFFERS GLOBAL SHOPPING

Home > Mobile & Laptop Accessories > Mobile & Tablet Accessories > Screen Protectors >

Product Discontinued Please See Other Similar Products

Image Not Available

Product Discontinued

SELENIUM

-----  
DAY 5  
-----

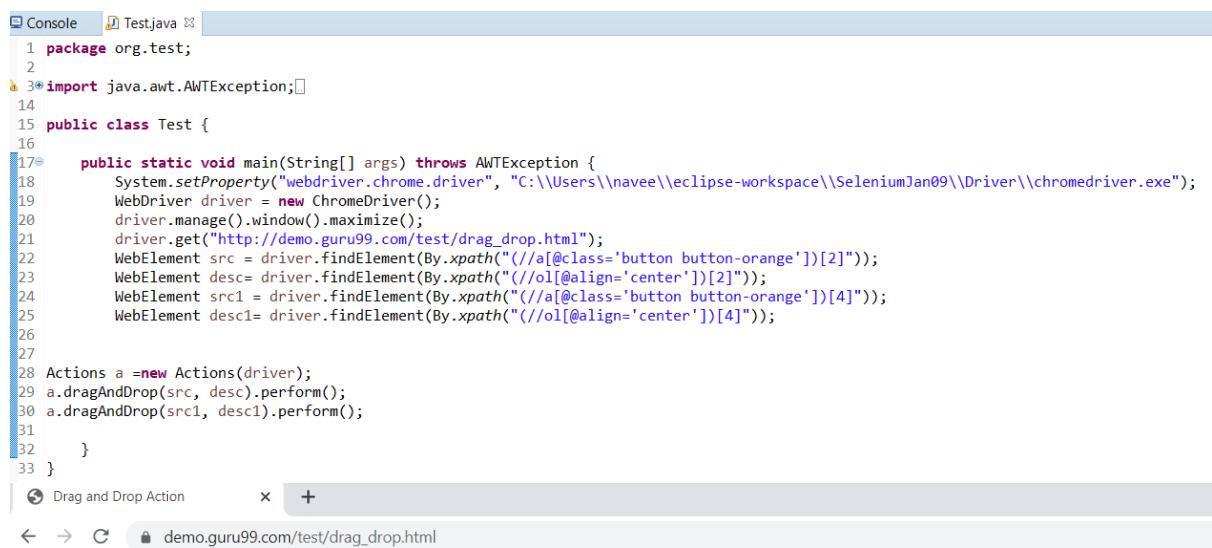
Actions(mouseOver action, drag and drop)

QUESTIONS- (Practical)

-----  
QUESTION 1  
-----

URL : [http://demo.guru99.com/test/drag\\_drop.html](http://demo.guru99.com/test/drag_drop.html)

NOTE: Drag and drop bank in Account ,5000 in amount at debited side  
Drag and drop sales in Account ,5000 in amount at credited side



```
1 package org.test;
2
3 import java.awt.AWTException;
4
5 public class Test {
6
7     public static void main(String[] args) throws AWTException {
8         System.setProperty("webdriver.chrome.driver", "C:\\Users\\navee\\eclipse-workspace\\SeleniumJan09\\Driver\\chromedriver.exe");
9         WebDriver driver = new ChromeDriver();
10        driver.manage().window().maximize();
11        driver.get("http://demo.guru99.com/test/drag_drop.html");
12        WebElement src = driver.findElement(By.xpath("//a[@class='button button-orange'][2]"));
13        WebElement desc= driver.findElement(By.xpath("//ol[@align='center'][2]"));
14        WebElement src1 = driver.findElement(By.xpath("//a[@class='button button-orange'][4]"));
15        WebElement desc1= driver.findElement(By.xpath("//ol[@align='center'][4]"));
16
17        Actions a =new Actions(driver);
18        a.dragAndDrop(src, desc).perform();
19        a.dragAndDrop(src1, desc1).perform();
20
21    }
22 }
```

Drag and Drop Action    x    +

← → C    demo.guru99.com/test/drag\_drop.html

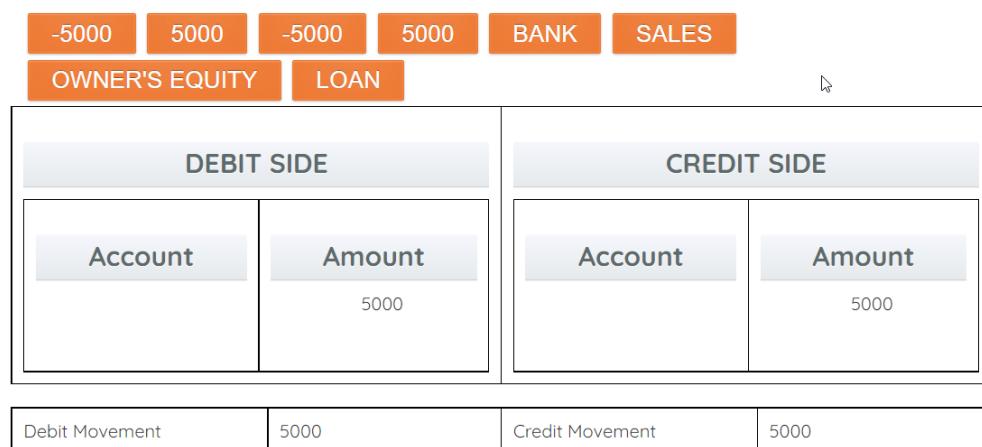
Chrome is being controlled by automated test software.

Selenium Insurance Project Agile Project Bank Project Security Project Telecom Project Payment Gate

## Selenium Drag and Drop Example:

Drag the following blocks into empty cells below

Note: Only certain blocks are permitted to be dropped in specific cells in the table



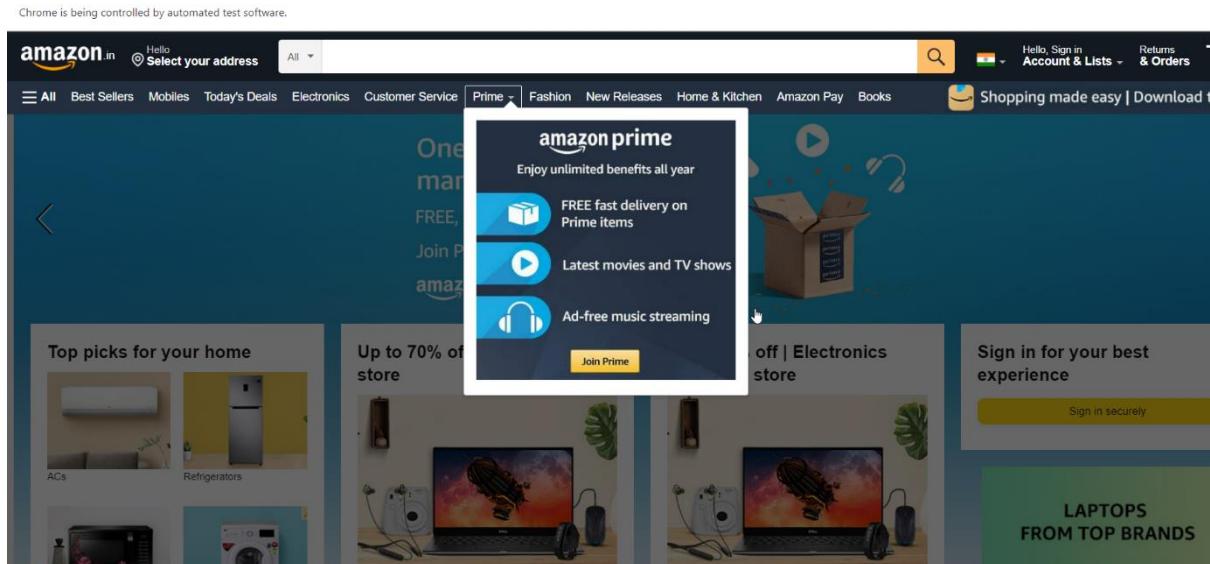
-5000	5000	-5000	5000	BANK	SALES
OWNER'S EQUITY	LOAN				
DEBIT SIDE		CREDIT SIDE			
Account	Amount	Account	Amount		
	5000		5000		
Debit Movement	5000	Credit Movement	5000		

## QUESTION 2

URL: <http://www.amazon.in>

NOTE: Try Prime first mouseover  
Click Free fast delivery on prime items

```
Console TestJava
1 package org.test;
2
3 import java.awt.AWTException;
4
5 public class Test {
6
7     public static void main(String[] args) throws AWTException {
8         System.setProperty("webdriver.chrome.driver", "C:\\Users\\navee\\eclipse-workspace\\SeleniumJan09\\Driver\\chromedriver.exe");
9         WebDriver driver = new ChromeDriver();
10        driver.manage().window().maximize();
11        driver.get("http://www.amazon.in");
12        WebElement btnPrime= driver.findElement(By.xpath("//span[text()='Prime']"));
13        Actions a = new Actions(driver);
14        a.moveToElement(btnPrime).perform();
15        WebElement btnFastDelivery = driver.findElement(By.id("multiasins-img-link"));
16    }
17 }
18
19
20
21
22
23
24
25
26
27
28
```



## QUESTION 3

URL : <http://www.flipkart.com>

NOTE: Home & Furniture is first mouseover  
Click Bath Towels and print any product name

## QUESTION 4

URL : <https://www.shopclues.com/wholesale.html>

NOTE: Mobile and electronics is first mouseover  
Click Smart Phones range Rs5001 - Rs10000

```

Day3Exercise.java FlipkartProject.java ShopClues.java
1 package org.test;
2
3 import java.awt.AWTException;
4
5 import org.openqa.selenium.By;
6 import org.openqa.selenium.WebDriver;
7 import org.openqa.selenium.WebElement;
8 import org.openqa.selenium.chrome.ChromeDriver;
9 import org.openqa.selenium.chrome.ChromeOptions;
10 import org.openqa.selenium.interactions.Actions;
11
12 public class ShopClues {
13     public static void main(String[] args) throws AWTException, InterruptedException {
14         System.setProperty("webdriver.chrome.driver", "C:\\Users\\navee\\eclipse-workspace\\SeleniumDailyPractice\\driver\\chromedriver.exe");
15         ChromeOptions options = new ChromeOptions();
16         options.addArguments("--disable-notifications");
17
18
19         WebDriver driver =new ChromeDriver(options);
20         driver.get("https://www.shopclues.com/wholesale.html ");
21
22         driver.manage().window().maximize();
23
24         WebElement findElement = driver.findElement(By.xpath("//label[text()='Mobile & Laptop Accessories']"));
25         findElement.click();
26         //Actions a =new Actions(driver);
27         //a.moveToElement(findElement).perform();
28
29         WebElement txtFrom= driver.findElement(By.xpath("//label[@for='1001 - 2500']"));
30         txtFrom.click();
31         // a.moveToElement(txtFrom).perform();
32
33     }
34
35
36

```

Buy Mobile & Laptop Accessories x +

← → C shopclues.com/wholesale-mobile-and-laptop-accessories.html?sort\_price[]>1001.00-2500.00&fsrc=sort\_price

Chrome is being controlled by automated test software.

Sell With Us | Call Us | Download App:

Share Location Sign In

What is on your mind today?  Search

MOBILES & MORE MEN WOMEN HOME & KITCHEN APPLIANCES SPORTS & MORE ESSENTIALS OFFERS GLOBAL SHOPPING

Time Sale Flu Care Food & Beverage Personal Hygiene Home Cleaning Nutrition & Supplements Kitchen & Dining Refurbished Mobiles Mobile Accessories

You are in west zone Change

Category Filters

- > WholeSale
- > Mobile & Laptop Accessories
- > Mobile & Tablet Accessories

Mobile & Laptop Accessories

1001 - 2500

2 Products Found

Sort By: High Price | Low Price | Popular Products | Best Selling | New Arrivals

QUESTION 5

-----

URL : <https://www.shopclues.com/wholesale.html>

NOTE: Sports&more is first mouseover  
Click weights grainers

Buy Wholesale Online - Upto 52% | Weight Gainers: Buy Weight Gainers | +

← → ⌂ 🔒 shopclues.com/wholesale.html

Chrome is being controlled by automated test software.

Sell With Us

**SHOPCLUES** What is on your mind today? Search Share Location

Made In INDIA MOBILES & MORE MEN WOMEN HOME & KITCHEN APPLIANCES SPORTS & MORE ESSENTIALS OFFERS GLOBAL SHOPPING

Home > Wholesale

**Category Filters**

- > Wholesale
  - > Home & Kitchen
  - > Mobiles & Tablets
  - > Mobile & Laptop Accessories
  - > Fashion
  - > Jewelry & Watches
  - > Beauty & Perfumes
  - > Others
  - > Toys Baby & Kids

**Offers**

Buy Multiple Get Discount

Diet Nutrition	Fitness & Exercise	Car Accessories & Electronics	Beauty & Perfumes	Daily Needs & Essentials
Whey Protein	Ab Exercisers	Perfumes & Fresheners	Skin Care	Food & Beverages
<b>Weight Gainers</b>	Home Gyms	Dashboard Accessories	Make-Up	Household Supplies
Pre & Post Workout	Exercise Bikes	Sun Shades	Hair Care	Pet Supplies
Fat Burners	Fitness Accessories	Car Body Covers	Personal Care & Grooming	Regional Sweets and snacks
Vitamins & Minerals	Treadmills	Door & Bumper Guards	Products	Stationery
Ayurveda & Herbal	Cardio Equipments	Car Electronics	Beauty Accessories	Books
Healthcare	Sports	Bike Accessories & more	Grooming	Gift Cards
Flu Care	Cricket Bats	Bike Body Covers	Fragrance Combos and Kits	
Massage & Relaxation	Footballs	Riding Gear	Beard & Moustache Care	
Weighing Scales	Badminton Racquets	Helmets	Men's Shaving	
BP Monitors	Table Tennis	Bike Locks & Alarm Systems	Grooming Appliances	
Supports & Elderly Care	Basketball	Car & Bike Care	Bath Essentials	
General Wellness	Swimming & Water Sports	Tools & Oils	Oral Care	

Day3Exercise.java FlipkartProject.java ShopClues.java

```

1 package org.test;
2
3 import java.awt.AWTException;
4
5 import org.openqa.selenium.By;
6 import org.openqa.selenium.WebDriver;
7 import org.openqa.selenium.WebElement;
8 import org.openqa.selenium.chrome.ChromeDriver;
9 import org.openqa.selenium.chrome.ChromeOptions;
10 import org.openqa.selenium.interactions.Actions;
11
12 public class ShopClues {
13     public static void main(String[] args) throws AWTException, InterruptedException {
14         System.setProperty("webdriver.chrome.driver","C:\\Users\\navee\\eclipse-workspace\\SeleniumDailyPractice\\driver\\chromedriver.exe");
15         ChromeOptions options = new ChromeOptions();
16         options.addArguments("--disable-notifications");
17
18         WebDriver driver =new ChromeDriver(options);
19         driver.get("https://www.shopclues.com/wholesale.html ");
20
21         driver.manage().window().maximize();
22
23         WebElement findElement = driver.findElement(By.xpath("//a[text()='Sports & More']"));
24         findElement.click();
25         Actions a =new Actions(driver);
26         a.moveToElement(findElement).perform();
27
28         WebElement txtFrom= driver.findElement(By.xpath("//a[text()='Weight Gainers']"));
29         txtFrom.click();
30         a.moveToElement(txtFrom).perform();
31
32     }
33 }
34 }
```

Screenshot of a web browser showing the ShopClues website for Weight Gainers. The URL is shopclues.com/weight-gainers.html?sort\_by=bestsellers&sort\_order=desc. The page displays a search bar, navigation menu, and a list of four weight gainer products: Dr. Chopra Whey Protein Supplement Powder, Tara Nutricare Body Grow 4Kg Chocolate, Champs Nutrition Choco Temptation USA, and Dr. Chopra Mega Mass 4000 Weight G.

## QUESTION 6

---

URL : <http://greenstech.in/selenium-course-content.html>

NOTE: Course is first mouseover  
 Software testing training is second mouseover  
 Click selenium training

```

} Console Testjava
1 package org.test;
2
3import java.awt.AWTException;
14
15 public class Test {
16
17    public static void main(String[] args) throws AWTException {
18        System.setProperty("webdriver.chrome.driver", "C:\\Users\\navee\\eclipse-workspace\\SeleniumJan09\\Driver\\chromedriver.exe");
19        WebDriver driver = new ChromeDriver();
20        driver.manage().window().maximize();
21        driver.get(" http://greenstech.in/selenium-course-content.html");
22        WebElement btnPrime= driver.findElement(By.xpath("//div[@title='Courses']"));
23        Actions a = new Actions(driver);
24        a.moveToElement(btnPrime).perform();
25        WebElement btnFastDelivery = driver.findElement(By.xpath("//span[text()='Software Testing (12)']"));
26        a.moveToElement(btnFastDelivery).perform();
27        WebElement findElement = driver.findElement(By.xpath("//span[text()='Selenium Certification Training']"));
28        findElement.click();
29    }
30 }

```

Selenium Training in Chennai | Selenium Training in Chennai | Not secure | greenstech.in/selenium-course-content.html

Chrome is being controlled by automated test software.

The screenshot shows the Greens Technologies website. The header features the logo 'Greens Technologies' and the tagline 'Leaders in IT Training and Placement'. It includes a contact number 'Contact : 89399 15577 / 89399 25577'. The navigation menu includes links for HOME, ABOUT US, COURSES, CAREERS, TESTIMONIALS, BLOG, and CONTACT US. A Facebook 'Find us on Facebook' button is also present. The main content area displays the title 'Selenium Training in Chennai' and a call-to-action 'ENROLL NOW'. Below this, a diagram illustrates the course structure: THEORY + PRACTICALS + ASSIGNMENT + MOCK INTERVIEW + ATTEND INTERVIEW = GOT A JOB. A sub-section titled 'Selenium Training in Chennai' provides information about the institute's offerings and job placement success. A review section shows a 5-star rating with '5 out of 5 based on 12263 ratings'.

Selenium Training in Chennai | Se x    Selenium Training in Chennai | Be x | +

← → C ▲ Not secure | greenstech.in/selenium-course-content.html

Chrome is being controlled by automated test software.

The screenshot shows a web browser window with two tabs open, both titled "Selenium Training in Chennai". The URL in the address bar is "greenstech.in/selenium-course-content.html". A banner at the top of the page says "30% Discount on All Courses". The main content area features the "Greens Technologies" logo and a banner for "Selenium Certification". Below this, there's a section about Selenium training and placement support, followed by a rating of 4.5 stars from 25k+ reviews. A red "Courses" button has a dropdown menu open, listing various training categories with their counts: Master Pr (Courses), Data Science (5), Oracle (48), RPA (6), Dot Net (8), Java (4), Software Testing (12), Data Warehousing (5), MSBI (8), Programming (9), and Other (5). At the bottom of the page are "Contact Us" and "Book a free demo" buttons.

30% Discount on All Courses

**Greens**  
Technologys

Courses ▾

- Master Pr Courses >
- Data Science (5) >
- Oracle (48) >
- RPA (6) >
- Dot Net (8) >
- Java (4) >
- Software Testing (12) >
- Data Warehousing (5) >
- MSBI (8) >
- Programming (9) >
- Other (5) >

**Selenium Certificat**

Learn Selenium Training Institute with award-winning assured placement support

This Selenium Certification covers Python, SQL, and Java etc.

★★★★★ 25k + Sa

Contact Us Book a free demo

QUESTION 7

-----  
URL : <http://greenstech.in/selenium-course-content.html>

NOTE: Courses is first mouseover  
Oracle training is second mouseover  
Click Oracle sql training

```

1 package org.test;
2
3* import java.awt.AWTException;*
4
5 public class Test {
6
7     public static void main(String[] args) throws AWTException {
8         System.setProperty("webdriver.chrome.driver", "C:\\\\Users\\\\navee\\\\eclipse-workspace\\\\SeleniumJan09\\\\Driver\\\\chromedriver.exe");
9         WebDriver driver = new ChromeDriver();
10        driver.manage().window().maximize();
11        driver.get(" http://greenstech.in/selenium-course-content.html");
12        WebElement btnPrime= driver.findElement(By.xpath("//div[@title='Courses']"));
13        Actions a = new Actions(driver);
14        a.moveToElement(btnPrime).perform();
15        WebElement btnFastDelivery = driver.findElement(By.xpath("//span[text()='Oracle (48)']"));
16        a.moveToElement(btnFastDelivery).perform();
17        WebElement findElement = driver.findElement(By.xpath("//span[text()='SQL Certification Training']"));
18        findElement.click();
19    }
20 }

```

Selenium Training in Chennai | Se x Oracle SQL Training in Chennai | F x +

← → C Not secure | greenstechnologys.com/oracle-sql-training-in-chennai.html

Chrome is being controlled by automated test software.

30% Discount on All Courses

Greens Technologies Courses ▾

Home >> Training Courses / Oracle SQL and PLSQL Training in Chennai

## Oracle SQL and PLSQL Training and Certification

Placement Program 4.9 ★ 4980 Ratings 10k + Learners

Looking for Oracle SQL and PLSQL Certification training Course with Placements?

SQL and PL/SQL training courses and certification from Greens Technologies will help you to master aspects of Oracle including SQL, PL/SQL, Oracle Application Express (APEX), XML, and more.

This Oracle SQL and PLSQL training Classes is completely hands-on with live use cases.

Earning Oracle Certifications will Give you a competitive advantage in the IT job market.

12c	OCP	50
Version	Certification	Hours

ENROLL NOW

QUESTION 8

-----

URL : <http://greenstech.in/selenium-course-content.html>

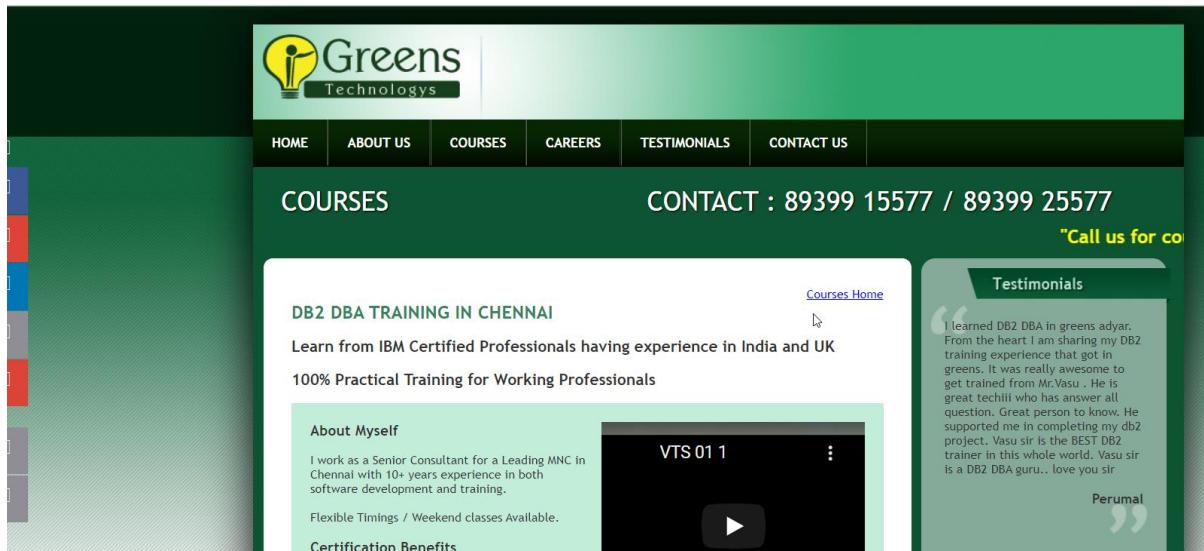
NOTE: Courses is first mouseover  
 DataWarehouse training is second mouse over  
 click microstrategy training.

```

Console 1st.java
1 package org.test;
2
3*import java.awt.AWTException;*
4
5 public class Test {
6
7@  public static void main(String[] args) throws AWTException {
8    System.setProperty("webdriver.chrome.driver", "C:\\Users\\navee\\eclipse-workspace\\SeleniumJan09\\Driver\\chromedriver.exe");
9    WebDriver driver = new ChromeDriver();
10   driver.manage().window().maximize();
11   driver.get(" http://greenstech.in/selenium-course-content.html");
12   WebElement btnPrime= driver.findElement(By.xpath("//div[@title='Courses']"));
13   Actions a = new Actions(driver);
14   a.moveToElement(btnPrime).perform();
15   WebElement btnFastDelivery = driver.findElement(By.xpath("//span[text()='Data Warehousing (5)']"));
16   a.moveToElement(btnFastDelivery).perform();
17   WebElement findElement = driver.findElement(By.xpath("//span[text()='DB2 DBA Certification Training']"));
18   findElement.click();
19 }
20
21 Selenium Training in Chennai | S... x  ▾ DB2 Training in Chennai| Best DB... x +
```

← → X ⚠ Not secure | greenstechnology.com/db2-training-in-chennai.html

Chrome is being controlled by automated test software.



QUESTION 9

-----

URL : <http://greenstech.in/selenium-course-content.html>

NOTE: Courses is first mouseover

RPA is second mouseover

Click Blue prism Certification training

```

Test.java
1 package org.test;
2
3 import java.awt.AWTException;
4
5 public class Test {
6
7     public static void main(String[] args) throws AWTException {
8         System.setProperty("webdriver.chrome.driver", "C:\\Users\\navee\\eclipse-workspace\\SeleniumJan09\\Driver\\chromedriver.exe");
9         WebDriver driver = new ChromeDriver();
10        driver.manage().window().maximize();
11        driver.get(" http://greenstech.in/selenium-course-content.html");
12        WebElement btnPrime= driver.findElement(By.xpath("//div[@title='Courses']"));
13        Actions a = new Actions(driver);
14        a.moveToElement(btnPrime).perform();
15        WebElement btnFastDelivery = driver.findElement(By.xpath("//span[text()='RPA (6)']"));
16        a.moveToElement(btnFastDelivery).perform();
17        WebElement findElement = driver.findElement(By.xpath("//span[text()='Blue Prism Certification Training']"));
18        findElement.click();
19    }
20 }
21
22
23
24
25
26
27
28
29
30
31

```

Console

```

<terminated> Test (5) [Java Application] C:\Users\navee\p2\pool\plugins\org.eclipse.jdt.openjdk.hotspot.jre.full.win32.x86_64_17.0.1.v20211116-1657\jre\bin\javaw.exe (27-Jan-2022, 11:45:27)
Starting ChromeDriver 97.0.4692.71 (adefab7837d02a07a604c1e6eff0b3a09422ab88d-refs/branch-heads/4692@{#1247}) on port 56412
Only local connections are allowed.
Please see https://chromedriver.chromium.org/security-considerations for suggestions on keeping ChromeDriver safe.
ChromeDriver was started successfully.
Jan 27, 2022 11:45:40 AM org.openqa.selenium.remote.ProtocolHandshake createSession
INFO: Detected dialect: W3C
Jan 27, 2022 11:45:40 AM org.openqa.selenium.devtools.CdpVersionFinder findNearestMatch
WARNING: Unable to find an exact match for CDP version 97, so returning the closest version found: 96
Jan 27, 2022 11:45:40 AM org.openqa.selenium.devtools.CdpVersionFinder findNearestMatch
INFO: Found CDP implementation for version 97 of 96

```

Selenium Training in Chennai | Blue Prism Training in Chennai | +

← → ⚡ Not secure | greenstech.in/blue-prism-training.html

Chrome is being controlled by automated test software.



QUESTION 10

URL : <http://greenstech.in/selenium-course-content.html>

NOTE: Courses is first mouseover  
Data Warehousing is second mouseover

```

Test.java ✘
1 package org.test;
2
3 import java.awt.AWTException;
4
5 public class Test {
6
7     public static void main(String[] args) throws AWTException {
8         System.setProperty("webdriver.chrome.driver", "C:\\Users\\navee\\eclipse-workspace\\SeleniumJan09\\Driver\\chromedriver.exe");
9         WebDriver driver = new ChromeDriver();
10        driver.manage().window().maximize();
11        driver.get(" http://greenstech.in/selenium-course-content.html");
12        WebElement btnPrime = driver.findElement(By.xpath("//div[@title='Courses']"));
13        Actions a = new Actions(driver);
14        a.moveToElement(btnPrime).perform();
15        WebElement btnFastDelivery = driver.findElement(By.xpath("//span[text()='Data Warehousing (5)']"));
16        a.moveToElement(btnFastDelivery).perform();
17    }
18
19 }
20
21
22
23
24
25
26
27
28 }
29
30
31

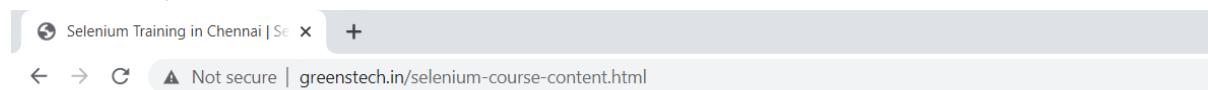
```

Console ✘

```

terminated> Test (5) [Java Application] C:\Users\navee\p2\pool\plugins\org.eclipse.jdt.openjdk.hotspot.jre.full.win32.x86_64_17.0.1.v20211116-1657\jre\bin\javaw.exe (27-Jan-2022, 11:49:30)
Starting ChromeDriver 97.0.4692.71 (adefab7837d02a07a604c1e6eff0b3a09422ab88d-refs/branch-heads/4692@{#1247}) on port 53461
Only local connections are allowed.
Please see https://chromedriver.chromium.org/security-considerations for suggestions on keeping ChromeDriver safe.
ChromeDriver was started successfully.
Jan 27, 2022 11:49:25 AM org.openqa.selenium.remote.ProtocolHandshake createSession
INFO: Detected dialect: W3C
Jan 27, 2022 11:49:25 AM org.openqa.selenium.devtools.CdpVersionFinder findNearestMatch
WARNING: Unable to find an exact match for CDP version 97, so returning the closest version found: 96
Jan 27, 2022 11:49:25 AM org.openqa.selenium.devtools.CdpVersionFinder findNearestMatch
INFO: Found CDP implementation for version 97 of 96

```



Chrome is being controlled by automated test software.

Category	Sub-Categories
DATA WAREHOUSING COURSES	Informatica Certification Training, Talend Certification Training, COGNOS Certification Training, COGNOS TM1 Certification Training, OBIEE Certification Training, DataStage Certification Training, DB2 DBA Certification Training, Ab Initio Certification Training
Other	View All Courses

### QUESTION 11

URL : <https://www.homedepot.com/>

NOTE: All department is first mouseover  
 Heating and cooling is second mouseover  
 Air conditioners is third mouseover  
 Click portable air conditioners.

### QUESTION 12

URL : <https://www.homedepot.com/>

```

NOTE: All department is first mouseover
      Paint is second mouseover
      Interior painting is third mouseover
      Click ceiling paint.

```

### QUESTION 13

URL : <https://www.snapdeal.com/>

NOTE: Mobile & Tablets is first mouseover  
Click newly lanuch covers.



```

Test.java ✘
1 package org.test;
2
3 import java.awt.AWTException;
4
5 public class Test {
6
7     public static void main(String[] args) throws AWTException {
8         System.setProperty("webdriver.chrome.driver", "C:\\Users\\navee\\eclipse-workspace\\SeleniumJan09\\Driver\\chromedriver.exe");
9         WebDriver driver = new ChromeDriver();
10        driver.manage().window().maximize();
11        driver.get(" https://www.snapdeal.com/");
12        WebElement btnPrime= driver.findElement(By.xpath("//span[text()='Mobile & Accessories']"));
13        Actions a = new Actions(driver);
14        a.moveToElement(btnPrime).perform();
15        WebElement btnFastDelivery = driver.findElement(By.xpath("//span[text()='Flip Covers']"));
16        btnFastDelivery.click();
17    }
18 }
19
20
21
22
23
24
25
26
27
28
29
30
31

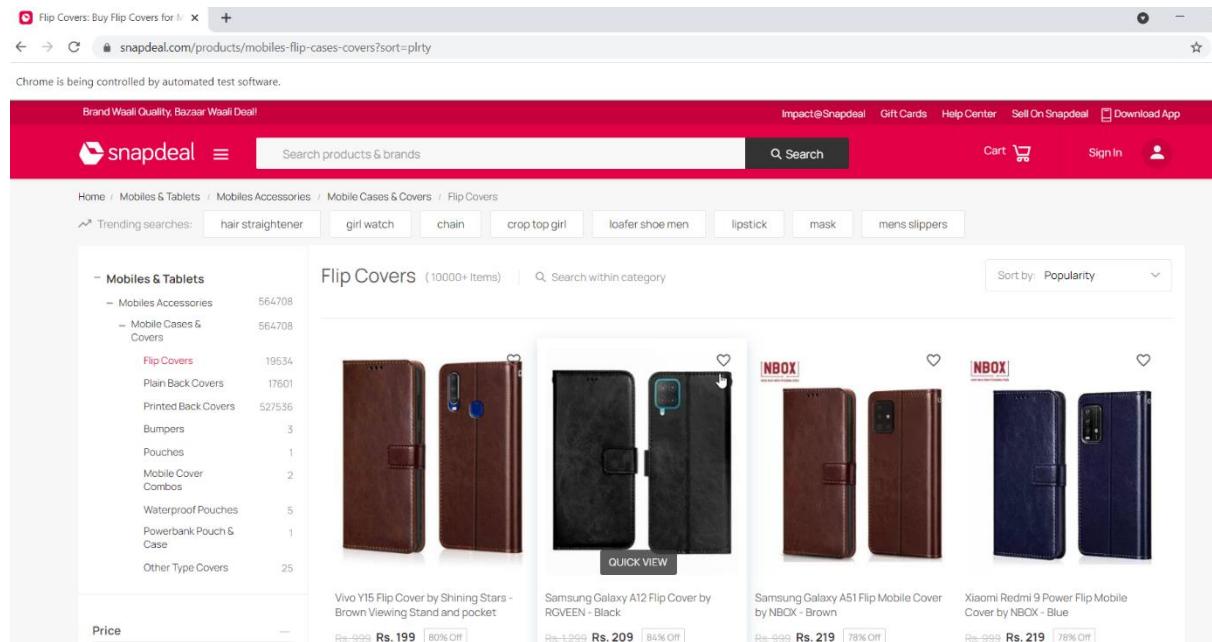
```

Console ✘

```

<terminated> Test (5) [Java Application] C:\Users\navee\p2\pool\plugins\org.eclipse.jdt.openjdkhotspot\re.full.win32.x86_64_17.0.1.v20211116-1657\jre\bin\javaw.exe (27-Jan-2022, 12:22:55 PM)
Starting ChromeDriver 97.0.4692.71 (adefaa7837d02a07a604c1e6eff0b3a09422ab88d-refs/branch-heads/4692@{#1247}) on port 54886
Only local connections are allowed.
Please see https://chromedriver.chromium.org/security-considerations for suggestions on keeping ChromeDriver safe.
ChromeDriver was started successfully.
Jan 27, 2022 12:22:57 PM org.openqa.selenium.remote.ProtocolHandshake createSession
INFO: Detected dialect: W3C
Jan 27, 2022 12:22:57 PM org.openqa.selenium.devtools.CdpVersionFinder findNearestMatch
WARNING: Unable to find an exact match for CDP version 97, so returning the closest version found: 96
Jan 27, 2022 12:22:57 PM org.openqa.selenium.devtools.CdpVersionFinder findNearestMatch
INFO: Found CDP implementation for version 97 of 96

```



### QUESTION 14

URL : <https://www.snapdeal.com/>

NOTE: Women's Fashion is first mouseover  
Click footwear->click heals.

```
Test.java
1 package org.test;
2
3* import java.awt.AWTException;[]
4
5 public class Test {
6
7*     public static void main(String[] args) throws AWTException {
8         System.setProperty("webdriver.chrome.driver", "C:\\Users\\navee\\eclipse-workspace\\SeleniumJan09\\Driver\\chromedriver.exe");
9         WebDriver driver = new ChromeDriver();
10        driver.manage().window().maximize();
11        driver.get(" https://www.snapdeal.com/");
12        WebElement btnPrime= driver.findElement(By.xpath("//span[@class='catText'][2]"));
13        Actions a = new Actions(driver);
14        a.moveToElement(btnPrime).perform();
15        WebElement btnFastDelivery = driver.findElement(By.xpath("//span[text()='Footwear'][2]"));
16        btnFastDelivery.click();
17        WebElement btnFastDelivery1 = driver.findElement(By.xpath("//div[text()='Heels for Women']"));
18        btnFastDelivery1.click();
19
20    }
21
22 }
```

Console

```
<terminated> Test (5) [Java Application] C:\Users\navee\p2\pool\plugins\org.eclipse.jdt.openjdk.hotspot.jre.full.win32.x86_64_17.0.1.v20211116-1657\jre\bin\javaw.exe (27-Jan-2022, 12:40:3
Starting ChromeDriver 97.0.4692.71 (adefaf837d02a07a604c1e6eff0b3a09422ab88d-refs/branch-heads/4692@{#1247}) on port 56871
Only local connections are allowed.
Please see https://chromedriver.chromium.org/security-considerations for suggestions on keeping ChromeDriver safe.
ChromeDriver was started successfully.
Jan 27, 2022 12:40:40 PM org.openqa.selenium.remote.ProtocolHandshake createSession
INFO: Detected dialect: W3C
Jan 27, 2022 12:40:40 PM org.openqa.selenium.devtools.CdpVersionFinder findNearestMatch
WARNING: Unable to find an exact match for CDP version 97, so returning the closest version found: 96
Jan 27, 2022 12:40:40 PM org.openqa.selenium.devtools.CdpVersionFinder findNearestMatch
INFO: Found CDP implementation for version 97 of 96
```

```
Test.java
1 package org.test;
2
3* import java.awt.AWTException;[]
4
5 public class Test {
6
7*     public static void main(String[] args) throws AWTException {
8         System.setProperty("webdriver.chrome.driver", "C:\\Users\\navee\\eclipse-workspace\\SeleniumJan09\\Driver\\chromedriver.exe");
9         WebDriver driver = new ChromeDriver();
10        driver.manage().window().maximize();
11        driver.get(" https://www.snapdeal.com/");
12        WebElement btnPrime= driver.findElement(By.xpath("//span[@class='catText'][2]"));
13        Actions a = new Actions(driver);
14        a.moveToElement(btnPrime).perform();
15        WebElement btnFastDelivery = driver.findElement(By.xpath("//span[text()='Footwear'][2]"));
16        btnFastDelivery.click();
17        WebElement btnFastDelivery1 = driver.findElement(By.xpath("//div[text()='Heels for Women']"));
18        btnFastDelivery1.click();
19
20    }
21
22 }
```

Console

```
<terminated> Test (5) [Java Application] C:\Users\navee\p2\pool\plugins\org.eclipse.jdt.openjdk.hotspot.jre.full.win32.x86_64_17.0.1.v20211116-1657\jre\bin\javaw.exe (27-Jan-2022, 12:40:3
Starting ChromeDriver 97.0.4692.71 (adefaf837d02a07a604c1e6eff0b3a09422ab88d-refs/branch-heads/4692@{#1247}) on port 56871
Only local connections are allowed.
Please see https://chromedriver.chromium.org/security-considerations for suggestions on keeping ChromeDriver safe.
ChromeDriver was started successfully.
Jan 27, 2022 12:40:40 PM org.openqa.selenium.remote.ProtocolHandshake createSession
INFO: Detected dialect: W3C
Jan 27, 2022 12:40:40 PM org.openqa.selenium.devtools.CdpVersionFinder findNearestMatch
WARNING: Unable to find an exact match for CDP version 97, so returning the closest version found: 96
Jan 27, 2022 12:40:40 PM org.openqa.selenium.devtools.CdpVersionFinder findNearestMatch
INFO: Found CDP implementation for version 97 of 96
```

QUESTION 15

-----  
URL : <https://www.amazon.in/>

NOTE: Signin is first mouseover  
Click Register  
Give details for Register

File Edit Bookmarks Tools Help

a Amazon Registration x +

amazon.in/ap/register?openid.pape.max\_auth\_age=0&openid.return\_to=https%3A%2F%

Chrome is being controlled by automated test software.

**amazon.in**

## Create Account

Your name

Mobile number

IN +91  1234567890

Email (optional)

Password

*i* Passwords must be at least 6 characters.

We will send you a text to verify your phone.  
Message and Data rates may apply.

**Continue**

Already have an account? [Sign in ▾](#)  
Buying for work? [Create a free business account ▾](#)

```
① *FlipkartProject.java ✘
1 package org.test;
2
3 import java.awt.Desktop.Action;
4 import java.util.List;
5
6 import org.openqa.selenium.By;
7 import org.openqa.selenium.WebDriver;
8 import org.openqa.selenium.WebElement;
9 import org.openqa.selenium.chrome.ChromeDriver;
10 import org.openqa.selenium.firefox.FirefoxDriver;
11 import org.openqa.selenium.interactions.Actions;
12
13 public class FlipkartProject {
14     public static void main(String[] args) throws InterruptedException {
15         System.setProperty("webdriver.chrome.driver", "C:\\\\Users\\\\navee\\\\eclipse-workspace\\\\SeleniumDailyPractice\\\\driver");
16         WebDriver driver = new ChromeDriver();
17         driver.get("https://www.amazon.in/");
18         Actions a = new Actions(driver);
19         // to mouseover the product
20         WebElement txtMousehover= driver.findElement(By.id("nav-link-accountList-nav-line-1"));
21         a.moveToElement(txtMousehover).perform();
22         Thread.sleep(5000);
23         //to click product
24         WebElement txtProduct= driver.findElement(By.xpath("//a[text()='Start here.'][1]"));
25         txtProduct.click();
26         WebElement txtUserName = driver.findElement(By.id("ap_customer_name"));
27         txtUserName.sendKeys("NAVEEN");
28         WebElement txtPhone = driver.findElement(By.id("ap_phone_number"));
29         txtPhone.sendKeys("1234567890");
30         WebElement txtMail = driver.findElement(By.id("ap_email"));
31         txtMail.sendKeys("naveen@gmail.com");
32         WebElement txtPassword= driver.findElement(By.id("ap_password"));
33         txtPassword.sendKeys("1234456asb");
34         //WebElement txtClick = driver.findElement(By.id("continue"));
35         //txtClick.click();
36     }
37 }
```

QUESTION 16

URL : <https://www.amazon.in/>

NOTE: signin is a first mouseover  
Click SD Cash

QUESTION 17

URL : <https://www.flipkart.com/>

NOTE: womens is mouseover  
Click flat slipper

QUESTION 18

URL : <https://www.flipkart.com/>

NOTE: Baby&Kids is mouseover  
Click Remote Control Toys

QUESTION 19

URL : <https://www.flipkart.com/>

NOTE: Electronics is mouseover  
Click Realme  
Click 1st Product name

QUESTION 20

URL : <https://www.flipkart.com/>

NOTE: Tvs & Appliances is mouseover

Click Mi

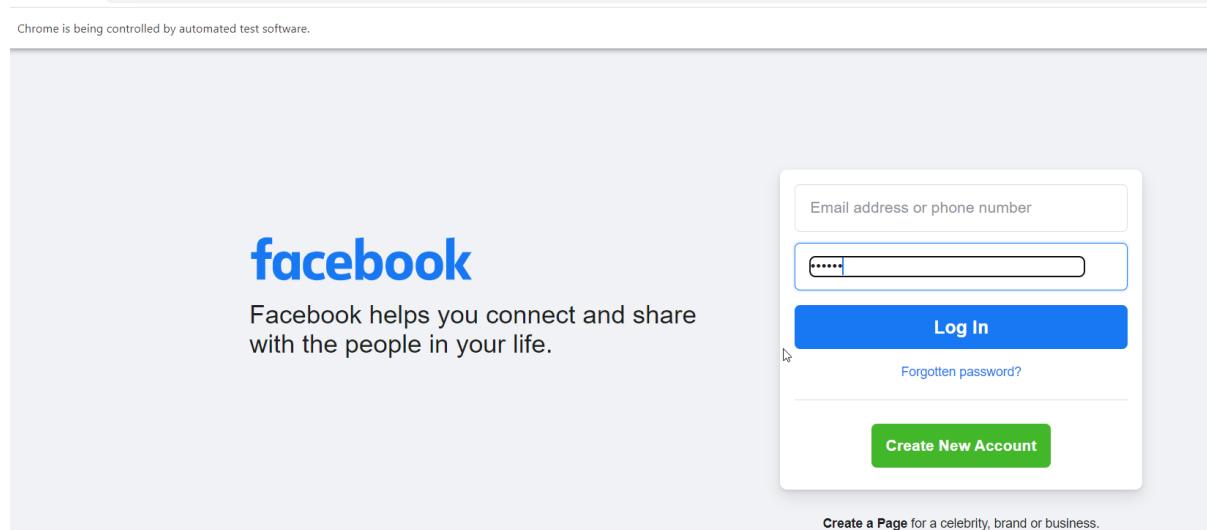
Click 1st Product name

SELENIUM  
-----  
DAY6  
----  
Robot class  
contextClick  
doubleClick  
QUESTIONS(Practical)  
-----  
QUESTION 1  
-----  
URL : <https://www.facebook.com/>

NOTE: Type email in email textbox and cut the email using Robot class  
Paste that email in password text using Robot class

```

1 package org.test;
2
3@import java.awt.AWTException;[]
4
5 public class Test {
6
7     public static void main(String[] args) throws AWTException, InterruptedException {
8         System.setProperty("webdriver.chrome.driver", "C:\\\\Users\\\\navee\\\\eclipse-workspace\\\\SeleniumJan09\\\\Driver\\\\chromedriver.exe");
9         WebDriver driver = new ChromeDriver();
10
11
12         driver.manage().window().maximize();
13         driver.get("https://www.facebook.com/");
14         WebElement lnkOk = driver.findElement(By.id("email"));
15         lnkOk.sendKeys("hdbhbhd");
16         Robot r =new Robot();
17         r.keyPress(KeyEvent.VK_CONTROL);
18         r.keyPress(KeyEvent.VK_A);
19         r.keyRelease(KeyEvent.VK_CONTROL);
20         r.keyRelease(KeyEvent.VK_A);
21
22         r.keyPress(KeyEvent.VK_CONTROL);
23         r.keyPress(KeyEvent.VK_X);
24         r.keyRelease(KeyEvent.VK_CONTROL);
25         r.keyRelease(KeyEvent.VK_X);
26         r.keyPress(KeyEvent.VK_TAB);
27         r.keyRelease(KeyEvent.VK_TAB);
28         r.keyPress(KeyEvent.VK_CONTROL);
29         r.keyPress(KeyEvent.VK_V);
30         r.keyRelease(KeyEvent.VK_CONTROL);
31         r.keyRelease(KeyEvent.VK_V);
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47     }
48 }
```



QUESTION 2

-----  
URL : <https://www.google.co.in/webhp>

NOTE: Enter Vel Murugan and select Vel Murugan using double Click  
Cut Vel Murugan using Keyboard shortcut[Ctrl+x]



```
| Day3Exercise.java |  
1 package org.test;  
2  
3@import java.awt.AWTException;  
12  
13 |  
14 public class Day3Exercise {  
15@public static void main(String[] args) throws AWTException, InterruptedException {  
16     System.setProperty("webdriver.chrome.driver","C:\\Users\\navee\\eclipse-workspace\\SeleniumDailyPractice\\driver\\chromedriver.exe");  
17     WebDriver driver =new ChromeDriver();  
18     driver.get("https://www.google.co.in/webhp");  
19  
20     driver.manage().window().maximize();  
21  
22     WebElement txtFrom= driver.findElement(By.xpath("//input[@type='text']"));  
23     txtFrom.sendKeys("vel Murugan");  
24     Actions a =new Actions(driver);  
25     a.doubleClick(txtFrom).perform();  
26  
27     Robot r =new Robot();  
28  
29     r.keyPress(KeyEvent.VK_CONTROL);  
30     r.keyPress(KeyEvent.VK_A);  
31     r.keyRelease(KeyEvent.VK_CONTROL);  
32     r.keyRelease(KeyEvent.VK_A);  
33     r.keyPress(KeyEvent.VK_CONTROL);  
34     r.keyPress(KeyEvent.VK_X);  
35     r.keyRelease(KeyEvent.VK_CONTROL);  
36     r.keyRelease(KeyEvent.VK_X);  
37  
38  
39  
40  
41 }  
42 }  
  
QUESTION 3  
-----  
URL : http://greenstech.in/selenium-course-content.html
```

NOTE: Click interview question and Right click cts interview question and Select open link in new window

Console \*Day3Exercise.java

```

1 package org.test;
2
3@import java.awt.AWTException;
4
5
6 public class Day3Exercise {
7 public static void main(String[] args) throws AWTException, InterruptedException {
8     System.setProperty("webdriver.chrome.driver","C:\\Users\\navee\\eclipse-workspace\\SeleniumDailyPractice\\driver\\chromedriver.exe");
9     WebDriver driver =new ChromeDriver();
10    driver.get("http://greenstech.in/selenium-course-content.html");
11
12    driver.manage().window().maximize();
13    WebElement findElement = driver.findElement(By.xpath("//h2[@class='title mb-0 center']"));
14    findElement.click();
15    WebElement txtFrom= driver.findElement(By.xpath("//a[@target='_blank'][102]"));
16    Actions a =new Actions(driver);
17    a.contextClick(txtFrom).perform();
18    Robot r = new Robot();
19    for(int i = 0 ; i<2; i++)
20    {
21        r.keyPress(KeyEvent.VK_DOWN);
22        r.keyRelease(KeyEvent.VK_DOWN);
23    }
24 }
25 }

```

Selenium Training in Chennai | Selenium Testing course Content

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Trainer Syllabus Overview Review FAQ

### Selenium Testing course Content

#### PRE-SELENIUM

- Core Java Programming
  - Introduction to Java
  - History of Java
  - Comparison with C and C++
  - Features of Java
  - JDK, JRE, JVM overview
  - JDK Directory Structure
  - Basic Java Program through command prompt
- Installation and Setup
- Packages
- OOPS and its application in Java

QUESTION 4

-----

URL : <http://greenstech.in/selenium-course-content.html>

Course Features

Total Learners	25943
Instructor Led Training	80 Hours
Assignments	40 Hours
Project work	40 Hrs Exercises
Self-paced Videos	40 Hrs
Support	24/7
Certification	ISTQB

Interview Questions

RestAssuredDefn

- BNP Paribas Open link in new tab
- Infiniti Open link in new window
- Altimetrik Open link in incognito window
- TCS Interview Save link as...
- ISGN Interview Copy link address
- CTS Interview Inspect

NOTE: Right Click Framework Test Papers and Select Inspect

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Model Resumes +

Software Download Links +

Core Java Test papers +

Selenium Test Paper +

Framework Test Papers -

→ CUCUMBER

→ JUNIT Back Alt+Left Arrow

→ POM/Page Forward Alt+Right Arrow

→ TESTING Reload Ctrl+R

→ DataDrive Save as... Ctrl+S

Print... Ctrl+P

Cast...

Create QR Code for this page

Translate to English

View page source Ctrl+U

Inspect

```
1 package org.test;
2
3@import java.awt.AWTException;□
15
16 public class Test {
17
18@   public static void main(String[] args) throws AWTException, InterruptedException {
19     System.setProperty("webdriver.chrome.driver", "C:\\Users\\navee\\eclipse-workspace\\SeleniumJan09\\Driver\\chromedriver.exe");
20     WebDriver driver = new ChromeDriver();
21
22
23     driver.manage().window().maximize();
24     driver.get("http://greenstech.in/selenium-course-content.html");
25     WebElement lnkOk = driver.findElement(By.xpath("//h2[@class='mb-0'][6]"));
26     lnkOk.click();
27     Actions a =new Actions(driver);
28     a.contextClick(lnkOk).perform();
29
30     Robot r =new Robot();
31
32     for (int i = 0; i <9; i++) {
33       r.keyPress(KeyEvent.VK_DOWN);
34       r.keyRelease(KeyEvent.VK_DOWN);
35     }
36
37
38   }
39 }
```

## QUESTION 5

---

URL : <http://greenstech.in/selenium-course-content.html>

NOTE: Click Model Resume and rightClick resume model 4 the page and click save as.

```

Console Day3Exercise.java
1 package org.test;
2
3@import java.awt.AWTException;
4
5 public class Day3Exercise {
6 public static void main(String[] args) throws AWTException, InterruptedException {
7     System.setProperty("webdriver.chrome.driver", "C:\\Users\\navee\\eclipse-workspace\\SeleniumDailyPractice\\driver\\chromedriver.exe");
8     WebDriver driver =new ChromeDriver();
9     driver.get("http://greenstech.in/selenium-course-content.html");
10
11     driver.manage().window().maximize();
12     WebElement findElement = driver.findElement(By.xpath("//h2[@class='mb-0'][2]"));
13     findElement.click();
14     WebElement txtFrom= driver.findElement(By.xpath("//a[@target='_blank'][157]"));
15     Actions a =new Actions(driver);
16     a.contextClick(txtFrom).perform();
17     Robot r = new Robot();
18     for(int i = 0 ; i<4; i++)
19     {
20         r.keyPress(KeyEvent.VK_DOWN);
21         r.keyRelease(KeyEvent.VK_DOWN);
22     }
23 }
24 }
25
26 Selenium Training in Chennai | S... x +
27 ← → C Not secure | greenstech.in/selenium-course-content.html

```

Chrome is being controlled by automated test software.

The screenshot shows a Java IDE interface with a code editor containing a Java file named 'Day3Exercise.java'. The code is a Selenium test script that navigates to a Java course landing page ('http://greenstech.in/selenium-course-content.html') and performs a context click on a link, followed by four keydown events. Below the code editor is a browser window showing the course landing page. The browser title is 'Selenium Training in Chennai | S...'. The page features a dark header with a phone number (+91 9944152058) and various course categories like 'Core Java Programming', 'Java Interview Questions', 'Job Openings', and 'Model Resumes'. The main content area lists Java basics such as Introduction to Java, History of Java, Comparison with C and C++, Features of Java, JDK/JRE/JVM overview, JDK Directory Structure, and Basic Java Program through command prompt. It also lists topics like Installation and Setup, Packages, OOPS and its application in Java, Abstraction, Inheritance, Polymorphism, Encapsulation, and Data types. On the right side of the browser window, there are sections for 'Self-paced Videos' (40 Hrs), 'Support' (24/7), 'Certification' (ISTQB), and links for 'Interview Questions', 'Job Openings', and 'Model Resumes'. A context menu is open over the 'Core Java' section, with options like 'Open link in new tab', 'Open link in new window', 'Open link in incognito window', 'Save link as...', 'Copy link address', and 'Inspect'.

## QUESTION 6

URL : <http://greenstech.in/selenium-course-content.html>

NOTE: Right Click RPA [ below Top Selenium Trends In 2020] and click Inspect

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12854

★★★★★



#### Continuous Testing in DevOps

Reviews

★★★★★ 5 (4985)

Enrolled Learners

6258

Reviews

★★★★★

### Top Selenium Trends In 2020

Agile and DevOps

Test Automation

API and Services Test Automation

Integration of Tools and Activities

RPA

#### Blogs

⊕ Mock Interview Audio

⊕ Selenium Class



Open link in new tab

Open link in new window

Open link in incognito window

Save link as...

Copy link address

Inspect

```
Console *Test.java Day3Exercise.java
1 package org.test;
2
3* import java.awt.AWTException;*
4
5 public class Test {
6
7     public static void main(String[] args) throws AWTException, InterruptedException {
8         System.setProperty("webdriver.chrome.driver", "C:\\Users\\navee\\eclipse-workspace\\SeleniumJan09\\Driver\\chromedriver.exe");
9         WebDriver driver = new ChromeDriver();
10
11
12         driver.manage().window().maximize();
13         driver.get("http://greenstech.in/selenium-course-content.html");
14         WebElement lnkOk = driver.findElement(By.xpath("//a[@title='RPA Training in chennai']"));
15         lnkOk.click();
16         Actions a =new Actions(driver);
17         a.contextClick(lnkOk).perform();
18
19         Robot r =new Robot();
20
21         for (int i = 0; i <6; i++) {
22             r.keyPress(KeyEvent.VK_DOWN);
23             r.keyRelease(KeyEvent.VK_DOWN);
24         }
25     }
26
27 }
28
29 }
30
31
32
33
34
35
36
37
38
39 }
```

QUESTION 7

-----  
URL : <http://greenstech.in/selenium-course-content.html>

NOTE: Click Selenium Test Papaers Right Click Day 6 Robot and select  
Inspect

```
Console *Day3Exercise.java
1 package org.test;
2
3@import java.awt.AWTException;
4
5 public class Day3Exercise {
6    public static void main(String[] args) throws AWTException, InterruptedException {
7        System.setProperty("webdriver.chrome.driver", "C:\\\\Users\\\\navee\\\\eclipse-workspace\\\\SeleniumDailyPractice\\\\driver\\\\chromedriver.exe");
8        WebDriver driver =new ChromeDriver();
9        driver.get("http://greenstech.in/selenium-course-content.html");
10
11        driver.manage().window().maximize();
12        WebElement findElement = driver.findElement(By.xpath("//h2[@class='mb-0'][5]"));
13        findElement.click();
14        WebElement txtFrom= driver.findElement(By.xpath("//a[@target='_blank'][176]"));
15        //txtFrom.click();
16        Actions a =new Actions(driver);
17        a.contextClick(txtFrom).perform();
18        Robot r = new Robot();
19        for(int i = 0 ; i<6 ; i++)
20        {
21            r.keyPress(KeyEvent.VK_DOWN);
22            r.keyRelease(KeyEvent.VK_DOWN);
23        }
24    }
25 }
26 }
```

Selenium Training in Chennai | Selenium Course Content

Not secure | greenstech.in/selenium-course-content.html

Chrome is being controlled by automated test software.

The screenshot shows a Java code editor with a script named 'Day3Exercise.java'. The script uses Selenium WebDriver to interact with a web page. Below the editor is a browser window displaying a course content page from 'greenstech.in'. On the right side of the browser, a context menu is open over a link, showing options like 'Open link in new tab', 'Open link in new window', 'Open link in incognito window', 'Save link as...', 'Copy link address', and 'Inspect'.

Question 8

URL : <https://www.flipkart.com/>

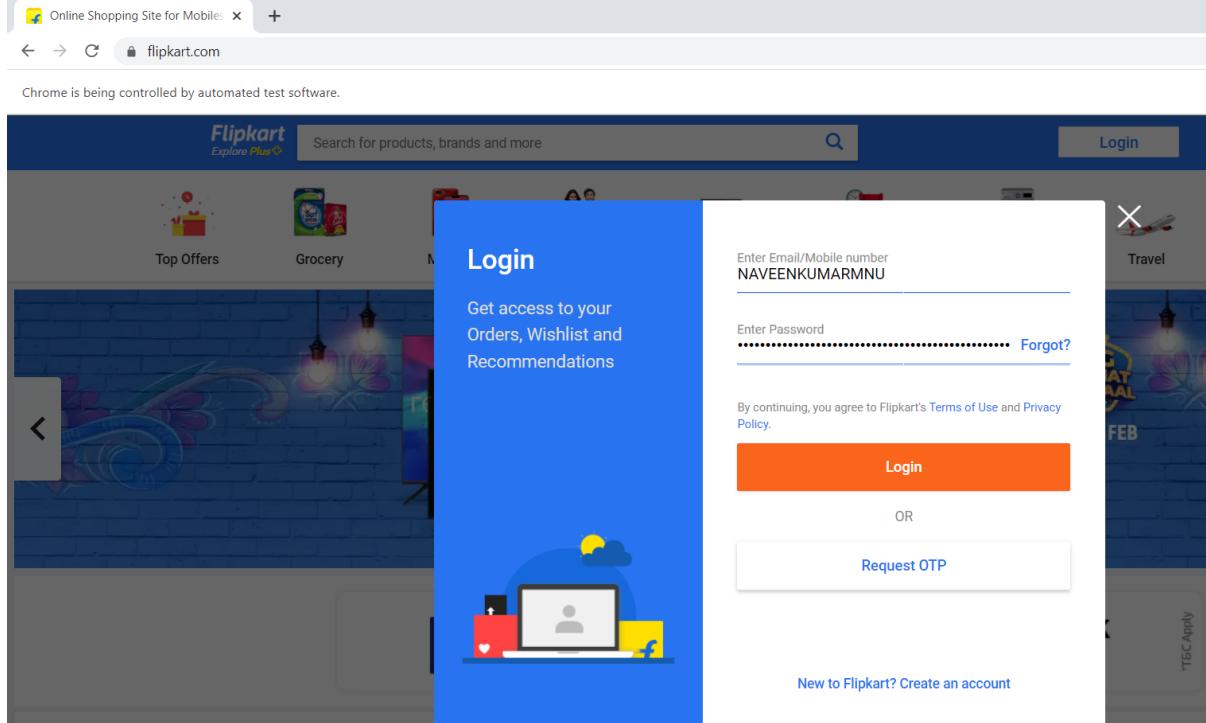
NOTE: Click login

Type a name in email textbox and cut using (control +c) and paste in password using (control+v)

```

FlipkartRobitClass.java
1 package org.test;
2
3 import java.awt.AWTException;
4 import java.awt.Robot;
5 import java.awt.event.KeyEvent;
6
7 import org.openqa.selenium.By;
8 import org.openqa.selenium.WebDriver;
9 import org.openqa.selenium.WebElement;
10 import org.openqa.selenium.chrome.ChromeDriver;
11 import org.openqa.selenium.interactions.Actions;
12
13 public class FlipkartRobitClass {
14     public static void main(String[] args) throws InterruptedException, AWTException {
15         System.setProperty("webdriver.chrome.driver", "C:\\Users\\navee\\eclipse-workspace\\SeleniumDailyPractice\\driver\\chromedriver.exe");
16         WebDriver driver = new ChromeDriver();
17         driver.get("https://www.flipkart.com/");
18
19         driver.manage().window().maximize();
20
21         WebElement txtUserName = driver.findElement(By.xpath("//input[@type='text'])[2]"));
22         txtUserName.sendKeys("NAVEEN KUMAR MNM");
23         Robot r = new Robot();
24         r.keyPress(KeyEvent.VK_CONTROL);
25         r.keyPress(KeyEvent.VK_C);
26         r.keyRelease(KeyEvent.VK_CONTROL);
27         r.keyRelease(KeyEvent.VK_C);
28         r.keyPress(KeyEvent.VK_TAB);
29         r.keyRelease(KeyEvent.VK_TAB);
30         r.keyPress(KeyEvent.VK_CONTROL);
31         r.keyPress(KeyEvent.VK_V);
32         r.keyRelease(KeyEvent.VK_CONTROL);
33         r.keyRelease(KeyEvent.VK_V);
34
35     }
36
37 }

```



QUESTION 9

URL : <https://www.amazon.in/>

NOTE: Click login and type a email in email textbox and select email and right click and click cut

```

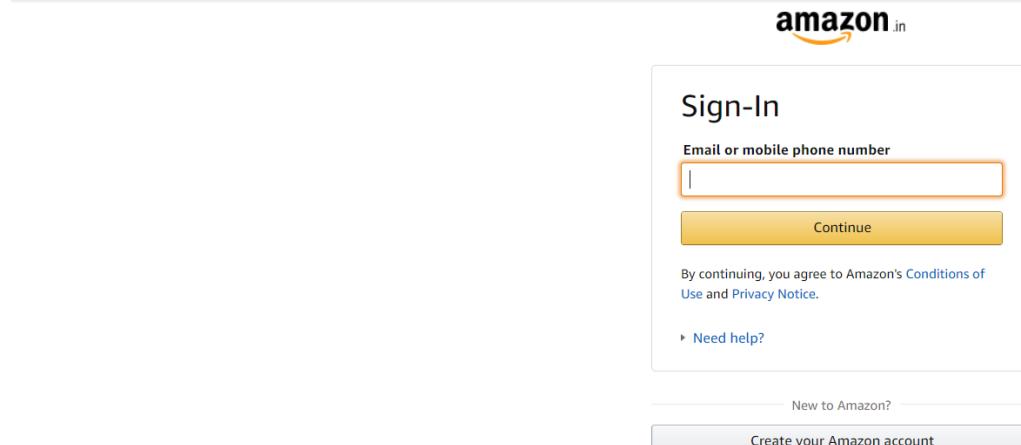
1 *Day3Exercise.java
1 package org.test;
2
3@import java.awt.AWTException;
13
14
15 public class Day3Exercise {
16@public static void main(String[] args) throws AWTException, InterruptedException {
17     System.setProperty("webdriver.chrome.driver","C:\\Users\\navee\\eclipse-workspace\\SeleniumDailyPractice\\driver\\chromedriver.exe");
18     WebDriver driver =new ChromeDriver();
19     driver.get("https://www.amazon.in/");
20
21     driver.manage().window().maximize();
22     // to remove the popup button
23     WebElement findElement = driver.findElement(By.id("nav-link-accountList-nav-line-1"));
24     findElement.click();
25     WebElement txtFrom= driver.findElement(By.id("ap_email"));
26     txtFrom.sendKeys("sncsnckanknakx");
27     Actions a =new Actions(driver);
28     a.doubleClick(txtFrom).perform();
29
30
31     // WebElement txtFrom1= driver.findElement(By.xpath("//input[@type='password']"));
32     //txtFrom1.sendKeys("naveennawin@gmail.com");
33     Robot r = new Robot();
34     r.keyPress(KeyEvent.VK_CONTROL);
35     r.keyPress(KeyEvent.VK_X);
36     r.keyRelease(KeyEvent.VK_CONTROL);
37     r.keyRelease(KeyEvent.VK_X);
38
39 }
40 }

```

Amazon Sign In X +

[amazon.in/ap/signin?openid.pape.max\\_auth\\_age=0&openid.return\\_to=https%3A%2F%2Fwww.amazon.in%2F%3Dref\\_%3Dnav\\_ya\\_signin&openid.identity=http%3A%2F%2Faccounts.google.com%2Fo%2Fos%2Fidentifier%2FcheckEmailAddress](https://amazon.in/ap/signin?openid.pape.max_auth_age=0&openid.return_to=https%3A%2F%2Fwww.amazon.in%2F%3Dref_%3Dnav_ya_signin&openid.identity=http%3A%2F%2Faccounts.google.com%2Fo%2Fos%2Fidentifier%2FcheckEmailAddress)

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QUESTION 10

-----

URL : <https://www.snapdeal.com/offers/quirky>

NOTE: Select any item and then right click and press open in a new window

QUESTION 11

-----

URL : <https://www.flipkart.com/>

NOTE: Select any item and then right click and press Save link as

Online Shopping Site for Mobiles

flipkart.com

Chrome is being controlled by automated test software.

**Flipkart** Explore Plus+ Search for products, brands and more Login More Cart

Top Offers Grocery Mobiles Fashion Electronics Home Appliances Travel Beauty, Toys & More

**oppo | Flipkart Unique**

**Reno7 Series 5G**  
65W SuperVOOC™  
Launching on 4th Feb  
5mins Charge, 4hrs Video Playback

Deals of the Day 12:05:00 Left **VIEW ALL**

Containers Swings, Stools & Floor S... Portable Laptop Table&S... Sparx, Brulow Fitness Gear Arrow, Flying Machine & ...

Open link in new tab  
Open link in new window  
Open link in incognito window  
Save link as...  
Copy link address  
Inspect

```

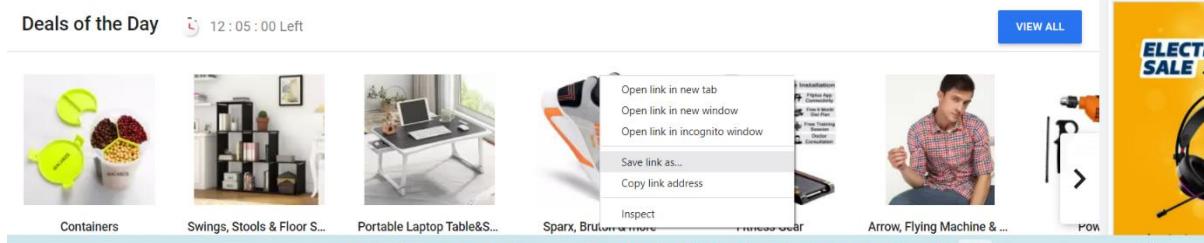
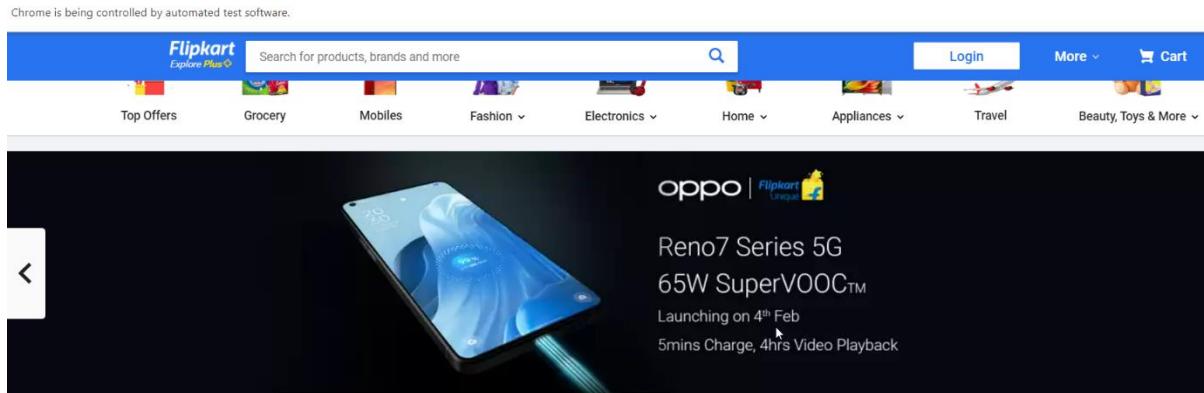
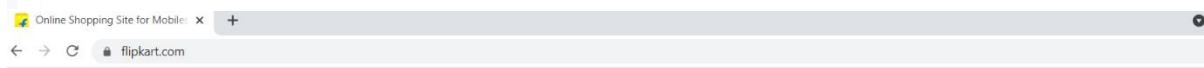
Day3Exercise.java 33
1 package org.test;
2
3 import java.awt.AWTException;
4
5 public class Day3Exercise {
6     public static void main(String[] args) throws AWTException, InterruptedException {
7         System.setProperty("webdriver.chrome.driver","C:\\Users\\navee\\eclipse-workspace\\SeleniumDailyPractice\\driver\\chromedriver.exe");
8         WebDriver driver =new ChromeDriver();
9         driver.get("https://www.flipkart.com/");
10
11         driver.manage().window().maximize();
12         // to remove the popup button
13         WebElement findElement = driver.findElement(By.xpath("//button[@class='_2KpZ6l _2doB4z']"));
14         findElement.click();
15
16         WebElement txtFrom= driver.findElement(By.xpath("//div[@class='_3LU4EM'][4]"));
17         Actions a =new Actions(driver);
18         a.contextClick(txtFrom).perform();
19         Robot r = new Robot();
20         for(int i = 0 ; i<4; i++)
21         {
22             r.keyPress(KeyEvent.VK_DOWN);
23             r.keyRelease(KeyEvent.VK_DOWN);
24         }
25
26     }
27 }

```

```

Day3Exercise.java 33
1 package org.test;
2
3@import java.awt.AWTException;
4
5 public class Day3Exercise {
6 public static void main(String[] args) throws AWTException, InterruptedException {
7     System.setProperty("webdriver.chrome.driver","C:\\Users\\navee\\eclipse-workspace\\SeleniumDailyPractice\\driver\\chromedriver.exe");
8     WebDriver driver =new ChromeDriver();
9     driver.get("https://www.flipkart.com/");
10
11     driver.manage().window().maximize();
12     // to remove the popup button
13     WebElement findElement = driver.findElement(By.xpath("//button[@class='_2KpZ6l _2doB4z']"));
14     findElement.click();
15
16
17     WebElement txtFrom= driver.findElement(By.xpath("//div[@class='_3LU4EM'][4]"));
18     Actions a =new Actions(driver);
19     a.contextClick(txtFrom).perform();
20     Robot r = new Robot();
21     for(int i = 0 ; i<4; i++)
22     {
23         r.keyPress(KeyEvent.VK_DOWN);
24         r.keyRelease(KeyEvent.VK_DOWN);
25     }
26
27
28 }
29
30 }
31
32
33
34
35
36
37
38
39 }
40 }

```



## SCREENSHOT SELENIUM ---CLASS NOTES S

```
package org.tcs;

import java.io.File;
import java.io.IOException;

import org.apache.commons.io.FileUtils;
import org.openqa.selenium.By;
import org.openqa.selenium.OutputType;
import org.openqa.selenium.TakesScreenshot;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;

public class Screenrf {

    public static void main(String[] args) throws IOException, InterruptedException {
        System.setProperty("webdriver.chrome.driver", "C:\\\\Users\\\\navee\\\\eclipse-workspace\\\\SeleniumDailyPractice\\\\driver\\\\chromedriver.exe");
        WebDriver driver =new ChromeDriver();

        driver.get("https://www.facebook.com/");
        TakesScreenshot screenshot=(TakesScreenshot) driver;
        File screenshotAs = screenshot.getScreenshotAs(OutputType.FILE);
        File f =new File("C://Users//navee//OneDrive//Desktop//Folderfile//bjnnhj1.jpeg");
        FileUtils.copyFile(screenshotAs, f);
    }
}
```

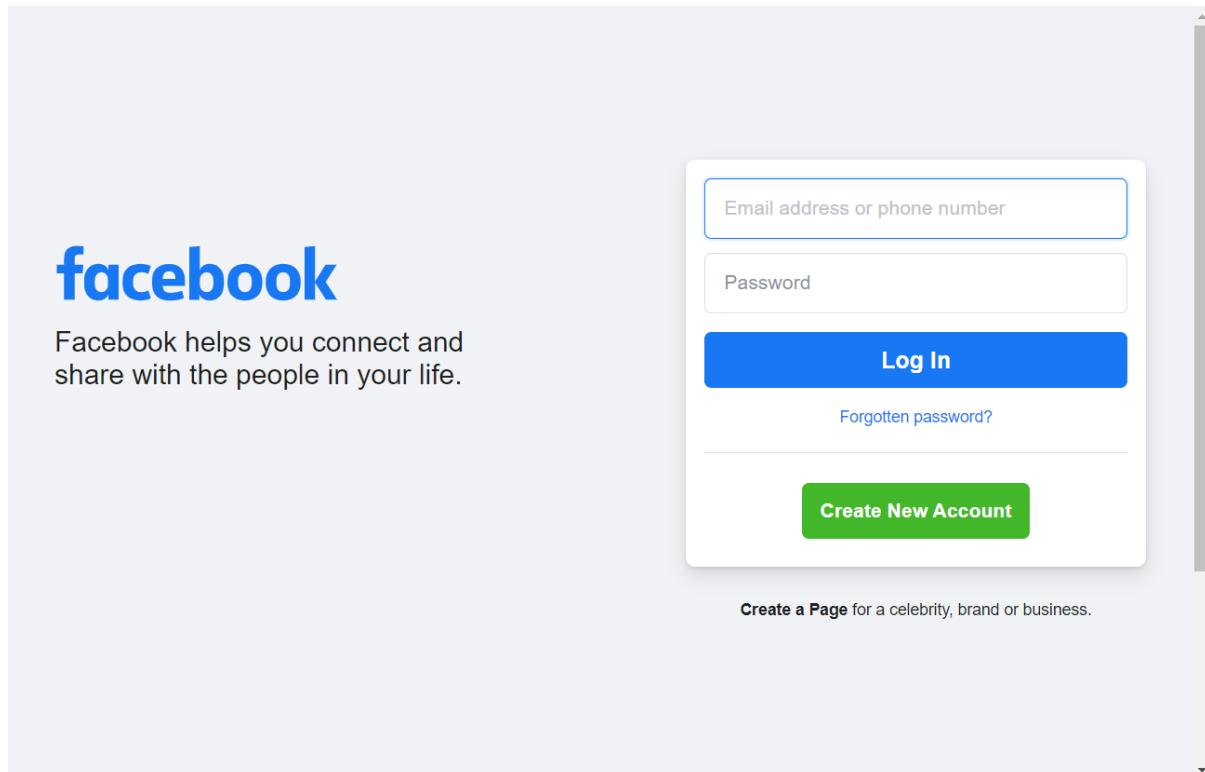
```
WebElement crt = driver.findElement(By.xpath("//a[contains(text(),'Create N')]"));

File screenshotAs2 =crt.getScreenshotAs(OutputType.FILE);
```

```
    File f2 =new
File("C://Users//navee//OneDrive//Desktop//Folderfile//bjnnhj138989.jpeg");
    FileUtils.copyFile(screenshotAs2, f2);
```

```
}
```

```
}
```



**Create New Account**

SELENIUM

-----

DAY7

-----

Screenshot

scrollup and scrolldown

QUESTIONS (Practical)

---

QUESTION 1

-----

URL : <http://www.greenstechnologys.com/>

NOTE: Take screenshot of homepage.

**package** org.tcs;

```
import java.io.File;
import java.io.IOException;

import org.apache.commons.io.FileUtils;
import org.openqa.selenium.OutputType;
import org.openqa.selenium.TakesScreenshot;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;

public class ScreenshotPractice {
    public static void main(String[] args) throws IOException {

        System.setProperty("webdriver.chrome.driver","C:\\\\Users\\\\navee\\\\eclipse-
workspace\\\\SeleniumDailyPractice\\\\driver\\\\chromedriver.exe");
        WebDriver driver =new ChromeDriver();

        driver.get("http://www.greenstechnologys.com/");

        TakesScreenshot screenshot=(TakesScreenshot) driver;
        File screenshotAs = screenshot.getScreenshotAs(OutputType.FILE);

        File f =new
File("C://Users//navee//OneDrive//Desktop//Folderfile//ex1.jpeg");
        FileUtils.copyFile(screenshotAs, f);
    }
}
```

```

ScreenshotPractice.java

1 package org.tcs;
2
3 import java.io.File;
4 import java.io.IOException;
5
6 import org.apache.commons.io.FileUtils;
7 import org.openqa.selenium.By;
8 import org.openqa.selenium.JavascriptExecutor;
9 import org.openqa.selenium.OutputType;
10 import org.openqa.selenium.TakesScreenshot;
11 import org.openqa.selenium.WebDriver;
12 import org.openqa.selenium.WebElement;
13 import org.openqa.selenium.chrome.ChromeDriver;
14
15 public class ScreenshotPractice {
16     public static void main(String[] args) throws IOException, InterruptedException {
17         System.setProperty("webdriver.chrome.driver","C:\\\\Users\\\\navee\\\\eclipse-workspace\\\\SeleniumDailyPractice\\\\driver\\\\chromedriver.exe");
18         WebDriver driver =new ChromeDriver();
19
20         driver.get("http://www.greentechnologys.com/");
21
22         TakesScreenshot screenshot=(TakesScreenshot) driver;
23         File screenshotAs = screenshot.getScreenshotAs(OutputType.FILE);
24
25         File f =new File("C://Users//navee//OneDrive//Desktop//Folderfile//ex1.jpeg");
26         FileUtils.copyFile(screenshotAs, f);
27     }
28
29
30
31
32
33 }

```

The screenshot shows a Java code editor window with a file named ScreenshotPractice.java. The code imports necessary Selenium and Apache Commons IO libraries and uses them to open a browser, take a screenshot, and save it as a JPEG file named ex1.jpeg. Below the code editor is a screenshot of a website for 'Greens Technologys'. The website has a green header with the logo 'Greens Technologys' and the tagline 'Leaders in IT Training and Placement'. It features a contact number 'Contact : 89399 15577 / 89399 25577'. A navigation bar includes links for HOME, Certifications, COURSES, Online Courses, Master Program, CONTACT US, and HOSTEL. Social media links for Facebook and Twitter are present. The main content area displays a red carpet leading to a set of five gold stars. Various technology logos are shown, including RPA, iOS, Microsoft .NET, DevOps, AWS, Hadoop, Python, and SalesForce. A call-to-action button says 'Call us for course fees and attractive discounts'. A video player at the bottom right shows a video titled 'VTS 01 1' from 'JAYA TV'.

## QUESTION 2

URL : <http://toolsqa.com/>

NOTE: Scrolldown till "Recent Articles".

**package** org.tcs;

```

import java.io.File;
import java.io.IOException;

import org.apache.commons.io.FileUtils;
import org.openqa.selenium.By;

```

```
import org.openqa.selenium.JavascriptExecutor;
import org.openqa.selenium.OutputType;
import org.openqa.selenium.TakesScreenshot;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;

public class ScreenshotPractice {
    public static void main(String[] args) throws IOException,
InterruptedException {
    System.setProperty("webdriver.chrome.driver","C:\\\\Users\\\\navee\\\\eclipse-
workspace\\\\SeleniumDailyPractice\\\\driver\\\\chromedriver.exe");
    WebDriver driver =new ChromeDriver();
    JavascriptExecutor jk =(JavascriptExecutor) driver;
    driver.get("http://toolsqa.com/");
    WebElement txtArticles=
driver.findElement(By.xpath("//div[text()='Other Articles']"));

    jk.executeAsyncScript("arguments[0].scrollIntoView(true)",txtArticles );
}

}
```



TUTORIALS

HOME SELENIUM TRAINING DEMO SITE ABOUT

Search

SITE LINKS	POPULAR TUTORIALS	RECENT TUTORIALS	OTHER ARTICLES
Tutorials	Selenium	Test Project	Software Testing
Training	Rest Assured	Katalon	Appium
Demo Website	Postman	Cypress	JUnit
Team	Cucumber	Protractor	Maven
Sitemap	ISTQB	Python	Java
	Scrum	JavaScript	Katalon
	Git		

```
*ScreenshotPractice.java : 
1 package org.tcs;
2
3 import java.io.File;
4 import java.io.IOException;
5
6 import org.apache.commons.io.FileUtils;
7 import org.openqa.selenium.By;
8 import org.openqa.selenium.JavascriptExecutor;
9 import org.openqa.selenium.OutputType;
10 import org.openqa.selenium.TakesScreenshot;
11 import org.openqa.selenium.WebDriver;
12 import org.openqa.selenium.WebElement;
13 import org.openqa.selenium.chrome.ChromeDriver;
14
15 public class ScreenshotPractice {
16     public static void main(String[] args) throws IOException, InterruptedException {
17         System.setProperty("webdriver.chrome.driver","C:\\Users\\navee\\eclipse-workspace\\SeleniumDailyPractice\\driver\\chromedriver.exe");
18         WebDriver driver =new ChromeDriver();
19         JavascriptExecutor jk =(JavascriptExecutor) driver;
20         driver.get("http://toolsqa.com/");
21         WebElement txtArticles= driver.findElement(By.xpath("//div[text()='Other Articles']"));
22         jk.executeAsyncScript("arguments[0].scrollIntoView(true)",txtArticles );
23
24         //TakesScreenshot screenshot=(TakesScreenshot) driver;
25         //File screenshotAs = screenshot.getScreenshotAs(OutputType.FILE);
26
27         //File f =new File("C://Users//navee//OneDrive//Desktop//Folderfile//ex2.jpeg");
28         //FileUtils.copyFile(screenshotAs, f);
29     }
30
31 }
32 }
```

### QUESTION 3

URL : <http://toolsqa.com/>

NOTE: Scrolldown till "Selenium Training Benefit" and print the word "Selenium Training Benefit"

### QUESTION 4

-----

URL : <http://www.greenstechnologys.com/>

NOTE: Scroll Down till "Greens technology Perumbakkam. address "and Take screenshot

package org.tcs;

```
import java.io.File;
import java.io.IOException;
```

```

import org.apache.commons.io.FileUtils;
import org.openqa.selenium.By;
import org.openqa.selenium.JavascriptExecutor;
import org.openqa.selenium.OutputType;
import org.openqa.selenium.TakesScreenshot;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;

public class ScreenshotPractice {
    public static void main(String[] args) throws IOException,
InterruptedException {

        System.setProperty("webdriver.chrome.driver","C:\\\\Users\\\\navee\\\\eclipse-
workspace\\\\SeleniumDailyPractice\\\\driver\\\\chromedriver.exe");
        WebDriver driver =new ChromeDriver();
        //to scroll down
        JavascriptExecutor jk =(JavascriptExecutor) driver;
        driver.get("http://www.greenstechnologys.com/");
        WebElement txtAddress=
driver.findElement(By.xpath("//span[text()='Greens technology Perumbakkam']]"));
        jk.executeAsyncScript("arguments[0].scrollIntoView(true)",txtAddress
);

        //to take screen shot
        TakesScreenshot screenshot=(TakesScreenshot) driver;
        WebElement crt = driver.findElement(By.xpath("//span[text()='Greens
technology Perumbakkam']]"));
        File screenshotAs2 =crt.getScreenshotAs(OutputType.FILE);

        File f2 =new
File("C://Users//havee//OneDrive//Desktop//Folderfile/exe4.jpeg");
        FileUtils.copyFile(screenshotAs2, f2);
    }
}

```

```

ScreenshotPractice.java ✘
1 package org.tcs;
2
3 import java.io.File;
4 import java.io.IOException;
5
6 import org.apache.commons.io.FileUtils;
7 import org.openqa.selenium.By;
8 import org.openqa.selenium.JavascriptExecutor;
9 import org.openqa.selenium.OutputType;
10 import org.openqa.selenium.TakesScreenshot;
11 import org.openqa.selenium.WebDriver;
12 import org.openqa.selenium.WebElement;
13 import org.openqa.selenium.chrome.ChromeDriver;
14 import org.openqa.selenium.chrome.ChromeOptions;
15
16 public class ScreenshotPractice {
17     public static void main(String[] args) throws IOException, InterruptedException {
18         System.setProperty("webdriver.chrome.driver","C:\\Users\\navee\\eclipse-workspace\\SeleniumDailyPractice\\driver\\chromedriver.exe");
19         WebDriver driver =new ChromeDriver();
20         JavascriptExecutor jk =(JavascriptExecutor) driver;
21         driver.get("http://www.greentechnologys.com/");
22         WebElement findElement = driver.findElement(By.xpath("//span[contains(text(),'Greens')])[6]"));
23         jk.executeScript("arguments[0].scrollIntoView(true)",findElement );
24
25         TakesScreenshot screenshot=(TakesScreenshot) driver;
26         WebElement findElement2 = driver.findElement(By.xpath("//*[@id=\"article-wrapper\"]/div[6]/p"));
27
28
29         File screenshotAs2 =findElement2.getScreenshotAs(OutputType.FILE);
30
31         File f2 =new File("C://Users//navee//OneDrive//Desktop//Folderfile//4.jpeg");
32         FileUtils.copyFile(screenshotAs2, f2);
33     }
34 }

```

**Greens technology Perumbakkam  
 1st Floor, Plot No. 19 &20,  
 American Advent Christian Layout,  
 Sholinganallur to Medavakkam Main Road,  
 Perumbakkam,(next to OMR food street )  
 Chennai - 600 100.**

**Tel: +91- 89399 15577**

#### QUESTION 12

URL : <https://www.snapdeal.com/>

**NOTE: search HP laptop and take the screenshot .**

```

package org.tcs;

import java.io.File;
import java.io.IOException;

import org.apache.commons.io.FileUtils;
import org.openqa.selenium.By;

```

```

import org.openqa.selenium.JavascriptExecutor;
import org.openqa.selenium.OutputType;
import org.openqa.selenium.TakesScreenshot;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.chrome.ChromeOptions;

public class ScreenshotPractice {
    public static void main(String[] args) throws IOException,
InterruptedException {

        System.setProperty("webdriver.chrome.driver","C:\\Users\\navee\\eclipse-
workspace\\SeleniumDailyPractice\\driver\\chromedriver.exe");

        WebDriver driver =new ChromeDriver();
        //to scroll down
        JavascriptExecutor jk =(JavascriptExecutor) driver;
        driver.get(" https://www.snapdeal.com/");
        WebElement findElement = driver.findElement(By.id("inputValEnter"));
        findElement.sendKeys("hp laptop");
        WebElement findElement2 =
        driver.findElement(By.xpath("//span[@class='searchTextSpan']"));
        findElement2.click();

        //to take screen shot
        TakesScreenshot screenshot=(TakesScreenshot) driver;
        //WebElement crt =
        driver.findElement(By.xpath("//span[text()='Greens technology Perumbakkam']"));
        File screenshotAs2 =findElement.getScreenshotAs(OutputType.FILE);

        File f2 =new
File("C://Users//navee//OneDrive//Desktop//Folderfile/exe11.jpeg");
        FileUtils.copyFile(screenshotAs2, f2);
    }
}

//WebElement txtAddress= driver.findElement(By.xpath("//span[text()='Greens
technology Perumbakkam']"));
//jk.executeAsyncScript("arguments[0].scrollIntoView(true)",txtAddress );

```

QUESTION 10

-----

URL : <https://www.amazon.in/>

NOTE: Search motorolo and take the screenshot.

**package** org.tcs;

```

import java.io.File;
import java.io.IOException;

import org.apache.commons.io.FileUtils;
import org.openqa.selenium.By;
import org.openqa.selenium.JavascriptExecutor;
import org.openqa.selenium.OutputType;

```

```
import org.openqa.selenium.TakesScreenshot;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.chrome.ChromeOptions;

public class ScreenshotPractice {
    public static void main(String[] args) throws IOException,
InterruptedException {

        System.setProperty("webdriver.chrome.driver", "C:\\\\Users\\\\navee\\\\eclipse-
workspace\\\\SeleniumDailyPractice\\\\driver\\\\chromedriver.exe");

        WebDriver driver =new ChromeDriver();
        driver.get("https://www.amazon.in/");
        WebElement findElement =
driver.findElement(By.id("twotabsearchtextbox"));
        findElement.sendKeys("motorolo");
        WebElement findElement2 = driver.findElement(By.id("nav-search-
submit-button"));
        findElement2.click();

        //to take screen shot
        TakesScreenshot screenshot=(TakesScreenshot) driver;
        WebElement findElement1 = driver.findElement(By.id("a-page"));
        File screenshotAs2 =findElement1.getScreenshotAs(OutputType.FILE);

        File f2 =new
File("C://Users//navee//OneDrive//Desktop//Folderfile/exe10.jpeg");
        FileUtils.copyFile(screenshotAs2, f2);
    }
}
```

```

ScreenshotPractice.java
1 package org.tcs;
2
3 import java.io.File;
4 import java.io.IOException;
5
6 import org.apache.commons.io.FileUtils;
7 import org.openqa.selenium.By;
8 import org.openqa.selenium.JavascriptExecutor;
9 import org.openqa.selenium.OutputType;
10 import org.openqa.selenium.TakesScreenshot;
11 import org.openqa.selenium.WebDriver;
12 import org.openqa.selenium.WebElement;
13 import org.openqa.selenium.chrome.ChromeDriver;
14 import org.openqa.selenium.chrome.ChromeOptions;
15
16 public class ScreenshotPractice {
17     public static void main(String[] args) throws IOException, InterruptedException {
18         System.setProperty("webdriver.chrome.driver", "C:\\Users\\navee\\eclipse-workspace\\SeleniumDailyPractice\\driver\\chromedriver.exe");
19
20         WebDriver driver = new ChromeDriver();
21         driver.get("https://www.amazon.in/");
22         WebElement findElement = driver.findElement(By.id("twotabsearchtextbox"));
23         findElement.sendKeys("motorolo");
24         WebElement findElement2 = driver.findElement(By.id("nav-search-submit-button"));
25         findElement2.click();
26
27
28         //to take screen shot
29         TakesScreenshot screenshot=(TakesScreenshot) driver;
30         WebElement findElement1 = driver.findElement(By.id("a-page"));
31         File screenshotAs2 =findElement1.getScreenshotAs(OutputType.FILE);
32
33         File f2 =new File("C://Users//navee//OneDrive//Desktop//Folderfile//exe10.jpeg");
34         FileUtils.copyFile(screenshotAs2, f2);
35     }
36 }
37

```

amazon.in   Hello Select your address   All   motorolo     Hello, Sign in Account & Lists Returns & Orders   Cart

All Best Sellers Mobiles Today's Deals Customer Service Electronics Books   Shopping made easy | Download the app

1-16 of over 1,000 results for "motorola"   Sort by: Featured

Get it in 2 Days

**Department**

- Smartphones & Basic Mobiles
  - Smartphones
  - Audio Headphones
  - In-Ear Headphones
  - Over-Ear Headphones
- Telephones & Accessories
  - Landline Phones
  - Mobile Accessories
- See All 5 Departments

**Customer Review**

- ★★★★★ & Up
- ★★★★☆ & Up
- ★★★☆☆ & Up
- ★★☆☆☆ & Up

**Brand**

- Motorola
- Generic

**Price**

**Filter by price**

- Under ₹1,000
- ₹1,000 - ₹5,000
- ₹5,000 - ₹10,000
- ₹10,000 - ₹20,000
- Over ₹20,000

Showing results for **motorola**  
Search instead for **motorolo**

**RESULTS**



**(Renewed) MOTOROLA G10 Power (64 GB) (4 GB RAM)**  
 (Aurora Grey)  
 ★★★★★ 12



MOTOROLA e40 (Pink Clay, 64 GB) (4 GB RAM)

QUESTION 8

URL : <http://greenstech.in/selenium-course-content.html>

NOTE: In CoreJava TestPaper Take the Screenshot  
**package org.tcs;**

**import java.io.File;**

```
import java.io.IOException;

import org.apache.commons.io.FileUtils;
import org.openqa.selenium.By;
import org.openqa.selenium.JavascriptExecutor;
import org.openqa.selenium.OutputType;
import org.openqa.selenium.TakesScreenshot;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.chrome.ChromeOptions;

public class ScreenshotPractice {
    public static void main(String[] args) throws IOException, InterruptedException {
        System.setProperty("webdriver.chrome.driver","C:\\Users\\navee\\eclipse-workspace\\SeleniumDailyPractice\\driver\\chromedriver.exe");
        WebDriver driver =new ChromeDriver();
        driver.get("http://greenstech.in/selenium-course-content.html");

        TakesScreenshot screenshot=(TakesScreenshot) driver;
        WebElement findElement =
        driver.findElement(By.xpath("//h2[contains(text(),'Core')]"));
        File screenshotAs2 =findElement.getScreenshotAs(OutputType.FILE);

        File f2 =new
        File("C://Users//navee//OneDrive//Desktop//Folderfile/exe8.jpeg");
        FileUtils.copyFile(screenshotAs2, f2);
    }
}
```

```
1 package org.tcs;
2
3 *import java.io.File;
4
5 public class ScreenshotPractice {
6     public static void main(String[] args) throws IOException, InterruptedException {
7         System.setProperty("webdriver.chrome.driver","C:\\Users\\navee\\eclipse-workspace\\SeleniumDailyPractice\\driver\\chromedriver.exe");
8
9
10    WebDriver driver =new ChromeDriver();
11    driver.get("http://greenstech.in/selenium-course-content.html");
12
13
14    TakesScreenshot screenshot=(TakesScreenshot) driver;
15    WebElement findElement = driver.findElement(By.xpath("//h2[contains(text(),'Core')]"));
16    File screenshotAs2 =findElement.getScreenshotAs(OutputType.FILE);
17
18    File f2 =new File("C://Users//navee//OneDrive//Desktop//Folderfile/exe8.jpeg");
19    FileUtils.copyFile(screenshotAs2, f2);
20
21
22
23
24
25
26
27
28
29
30
31
32 }
```

## Core Java Test papers

QUESTION 7

URL : <http://greenstech.in/selenium-course-content.html>

NOTE: Click interviews question take the screenshot  
package org.tcs;

```
import java.io.File;
import java.io.IOException;

import org.apache.commons.io.FileUtils;
import org.openqa.selenium.By;
import org.openqa.selenium.JavascriptExecutor;
import org.openqa.selenium.OutputType;
import org.openqa.selenium.TakesScreenshot;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.chrome.ChromeOptions;

public class ScreenshotPractice {

    public static void main(String[] args) throws IOException, InterruptedException {
        System.setProperty("webdriver.chrome.driver","C:\\Users\\navee\\eclipse-workspace\\SeleniumDailyPractice\\driver\\chromedriver.exe");
```

```

    WebDriver driver =new ChromeDriver();
    driver.get("http://greenstech.in/selenium-course-content.html");

    TakesScreenshot screenshot=(TakesScreenshot) driver;
    WebElement findElement =
    driver.findElement(By.xpath("//h2[contains(text(),'Interview')]"));
    findElement.click();

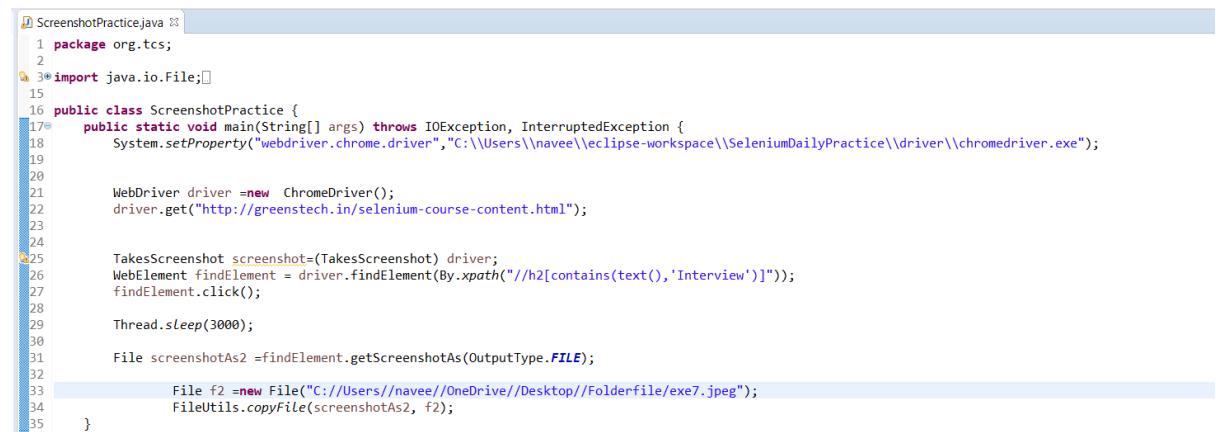
    Thread.sleep(3000);

    File screenshotAs2 =findElement.getScreenshotAs(OutputType.FILE);

    File f2 =new
    File("C://Users//navee//OneDrive//Desktop//Folderfile/exe7.jpeg");
    FileUtils.copyFile(screenshotAs2, f2);

}
}

```



```

ScreenshotPractice.java ✘
1 package org.tcs;
2
3import java.io.File;
4
5 public class ScreenshotPractice {
6     public static void main(String[] args) throws IOException, InterruptedException {
7         System.setProperty("webdriver.chrome.driver","C:\\Users\\navee\\eclipse-workspace\\SeleniumDailyPractice\\driver\\chromedriver.exe");
8
9         WebDriver driver =new ChromeDriver();
10        driver.get("http://greenstech.in/selenium-course-content.html");
11
12        TakesScreenshot screenshot=(TakesScreenshot) driver;
13        WebElement findElement = driver.findElement(By.xpath("//h2[contains(text(),'Interview')]"));
14        findElement.click();
15
16        Thread.sleep(3000);
17
18        File screenshotAs2 =findElement.getScreenshotAs(OutputType.FILE);
19
20        File f2 =new File("C://Users//navee//OneDrive//Desktop//Folderfile/exe7.jpeg");
21        FileUtils.copyFile(screenshotAs2, f2);
22    }
23 }

```

## Interview Questions

QUESTION 6

-----  
URL : <http://greenstech.in/selenium-course-content.html>

NOTE: Scrolldown till "Top Selenium Trends In 2020" and takes Screenshot  
**package org.tcs;**

```

import java.io.File;
import java.io.IOException;

```

```

import org.apache.commons.io.FileUtils;
import org.openqa.selenium.By;
import org.openqa.selenium.JavascriptExecutor;
import org.openqa.selenium.OutputType;
import org.openqa.selenium.TakesScreenshot;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.chrome.ChromeOptions;

public class ScreenshotPractice {
    public static void main(String[] args) throws IOException,
InterruptedException {

        System.setProperty("webdriver.chrome.driver","C:\\\\Users\\\\navee\\\\eclipse-
workspace\\\\SeleniumDailyPractice\\\\driver\\\\chromedriver.exe");
        WebDriver driver =new ChromeDriver();
        JavascriptExecutor jk =(JavascriptExecutor) driver;
        driver.get("http://greenstech.in/selenium-course-content.html");
        WebElement findElement =
driver.findElement(By.xpath("//h3[contains(text(),'Top')]"));

        //TakesScreenshot screenshot=(TakesScreenshot) driver;
        //WebElement findElement2 =
driver.findElement(By.xpath("//h3[contains(text(),'Top')]"));
        jk.executeScript("arguments[0].scrollIntoView(true)",findElement );

        //Thread.sleep(3000);
        TakesScreenshot screenshot=(TakesScreenshot) driver;
        WebElement findElement2 =
driver.findElement(By.xpath("//div[@class='clp-section']"));

        File screenshotAs2 =findElement2.getScreenshotAs(OutputType.FILE);

        File f2 =new
File("C://Users//navee//OneDrive//Desktop//Folderfile/6.jpeg");
        FileUtils.copyFile(screenshotAs2, f2);
    }
}

```

```

ScreenshotPractice.java
1 package org.tcs;
2
3 import java.io.File;
4 import java.io.IOException;
5
6 import org.apache.commons.io.FileUtils;
7 import org.openqa.selenium.By;
8 import org.openqa.selenium.JavascriptExecutor;
9 import org.openqa.selenium.OutputType;
10 import org.openqa.selenium.TakesScreenshot;
11 import org.openqa.selenium.WebDriver;
12 import org.openqa.selenium.WebElement;
13 import org.openqa.selenium.chrome.ChromeDriver;
14 import org.openqa.selenium.chrome.ChromeOptions;
15
16 public class ScreenshotPractice {
17     public static void main(String[] args) throws IOException, InterruptedException {
18         System.setProperty("webdriver.chrome.driver","C:\\Users\\navee\\eclipse-workspace\\SeleniumDailyPractice\\driver\\chromedriver.exe");
19         WebDriver driver =new ChromeDriver();
20         JavascriptExecutor jk =(JavascriptExecutor) driver;
21         driver.get("http://greenstech.in/selenium-course-content.html");
22         WebElement findElement = driver.findElement(By.xpath("//h3[contains(text(),'Top')]"));
23
24         //TakesScreenshot screenshot=(TakesScreenshot) driver;
25         //WebElement findElement2 = driver.findElement(By.xpath("//h3[contains(text(),'Top')]"));
26         jk.executeScript("arguments[0].scrollIntoView(true)",findElement );
27
28
29         //Thread.sleep(3000);
30         TakesScreenshot screenshot=(TakesScreenshot) driver;
31         WebElement findElement2 = driver.findElement(By.xpath("//div[@class='clp-section']"));
32
33
34         File screenshotAs2 =findElement2.getScreenshotAs(OutputType.FILE);
35
36         File f2 =new File("C:/Users/navee/OneDrive/Desktop/Folderfile/6.jpeg");
37         FileUtils.copyFile(screenshotAs2, f2);
38     }
39 }

```

Discount on All Courses [+91 9944](#)

Agile and DevOps Test Automation API and Services Test Automation Artificial Intelligence for Testing

Mobile Test Automation Test Environments and Data Integration of Tools and Activities RPA

#### QUESTION 4

URL : <http://www.greenstechnologys.com/>

NOTE: Scroll Down till "Greens technology Perumbakkam. address "and Take screenshot

```

package org.tcs;

import java.io.File;
import java.io.IOException;

import org.apache.commons.io.FileUtils;
import org.openqa.selenium.By;
import org.openqa.selenium.JavascriptExecutor;
import org.openqa.selenium.OutputType;
import org.openqa.selenium.TakesScreenshot;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.chrome.ChromeOptions;

public class ScreenshotPractice {
    public static void main(String[] args) throws IOException,
InterruptedException {

        System.setProperty("webdriver.chrome.driver","C:\\Users\\navee\\eclipse-
workspace\\SeleniumDailyPractice\\driver\\chromedriver.exe");
        WebDriver driver =new ChromeDriver();
        JavascriptExecutor jk =(JavascriptExecutor) driver;

```

```

        driver.get("http://www.greenstechnologys.com/");
        WebElement findElement =
driver.findElement(By.xpath("//span[contains(text(),'Greens')])[6]"));
        jk.executeScript("arguments[0].scrollIntoView(true)",findElement );

        TakesScreenshot screenshot=(TakesScreenshot) driver;
        WebElement findElement2 =
driver.findElement(By.xpath("//*[@id=\"article-wrapper\"]/div[6]/p"));

        File screenshotAs2 =findElement2.getScreenshotAs(OutputType.FILE);

        File f2 =new
File("C://Users//navee//OneDrive//Desktop//Folderfile/4.jpeg");
        FileUtils.copyFile(screenshotAs2, f2);
    }
}

```

QUESTION 5

-----  
URL : <http://greenstech.in/selenium-course-content.html>

NOTE: ScrollDown till "job opening" and Take the screenshot and scroll up  
Online Classroom

```

package org.tcs;

import java.io.File;
import java.io.IOException;

import org.apache.commons.io.FileUtils;
import org.openqa.selenium.By;
import org.openqa.selenium.JavascriptExecutor;
import org.openqa.selenium.OutputType;
import org.openqa.selenium.TakesScreenshot;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.chrome.ChromeOptions;

public class ScreenshotPractice {
    public static void main(String[] args) throws IOException,
InterruptedException {

        System.setProperty("webdriver.chrome.driver","C:\\\\Users\\\\navee\\\\eclipse-
workspace\\\\SeleniumDailyPractice\\\\driver\\\\chromedriver.exe");
        WebDriver driver =new ChromeDriver();
        JavascriptExecutor jk =(JavascriptExecutor) driver;
        driver.get("http://greenstech.in/selenium-course-content.html");
        WebElement findElement =
driver.findElement(By.xpath("//h2[contains(text(),'Job')])[1]"));
        jk.executeScript("arguments[0].scrollIntoView(true)",findElement );

        TakesScreenshot screenshot=(TakesScreenshot) driver;

```

```

        WebElement findElement2 = driver.findElement(By.xpath("//div[@data-
toggle='collapse'])[13]"));

        File screenshotAs2 =findElement2.getScreenshotAs(OutputType.FILE);

        File f2 =new
File("C://Users//navee//OneDrive//Desktop//Folderfile/DAY5S5.jpeg");
        FileUtils.copyFile(screenshotAs2, f2);

        Thread.sleep(3000);
        WebElement findElement1 =
driver.findElement(By.xpath("//h3[text()='Online Classroom']"));
        jk.executeScript("arguments[0].scrollIntoView(true)",findElement1 );

    }

}

```

```

1 package org.tcs;
2
3 import java.io.File;
4 import java.io.IOException;
5
6 import org.apache.commons.io.FileUtils;
7 import org.openqa.selenium.By;
8 import org.openqa.selenium.JavascriptExecutor;
9 import org.openqa.selenium.OutputType;
10 import org.openqa.selenium.TakesScreenshot;
11 import org.openqa.selenium.WebDriver;
12 import org.openqa.selenium.WebElement;
13 import org.openqa.selenium.chrome.ChromeDriver;
14 import org.openqa.selenium.chrome.ChromeOptions;
15
16 public class ScreenshotPractice {
17     public static void main(String[] args) throws IOException, InterruptedException {
18         System.setProperty("webdriver.chrome.driver",";\\Users\\navee\\eclipse-workspace\\SeleniumDailyPractice\\driver\\chromedriver.exe");
19         WebDriver driver =new ChromeDriver();
20         JavascriptExecutor jk =(JavascriptExecutor) driver;
21         driver.get("http://greenteach.in/selenium-course-content.html");
22         WebElement findElement = driver.findElement(By.xpath("//h2[contains(text(),'Job'))[1]"));
23         jk.executeScript("arguments[0].scrollIntoView(true)",findElement );
24
25         TakesScreenshot screenshot=(TakesScreenshot) driver;
26         WebElement findElement2 = driver.findElement(By.xpath("//div[@data-toggle='collapse'])[13]"));
27
28         File screenshotAs2 =findElement2.getScreenshotAs(OutputType.FILE);
29
30         File f2 =new File("C://Users//navee//OneDrive//Desktop//Folderfile/DAY5S5.jpeg");
31         FileUtils.copyFile(screenshotAs2, f2);
32
33         Thread.sleep(3000);
34         WebElement findElement1 = driver.findElement(By.xpath("//h3[text()='Online Classroom']"));
35         jk.executeScript("arguments[0].scrollIntoView(true)",findElement1 );
36
37     }
38 }

```

+91 9944

#### QUESTION 9

-----  
URL : <https://www.flipkart.com/>

NOTE: Search iphone and take the screenshot.

```

package org.tcs;

import java.io.File;
import java.io.IOException;

```

```

import org.apache.commons.io.FileUtils;
import org.openqa.selenium.By;
import org.openqa.selenium.JavascriptExecutor;
import org.openqa.selenium.OutputType;
import org.openqa.selenium.TakesScreenshot;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.chrome.ChromeOptions;

public class ScreenshotPractice {
    public static void main(String[] args) throws IOException,
InterruptedException {

        System.setProperty("webdriver.chrome.driver","C:\\Users\\navee\\eclipse-
workspace\\SeleniumDailyPractice\\driver\\chromedriver.exe");

        WebDriver driver =new ChromeDriver();
        driver.get("https://www.flipkart.com/");
        WebElement findElement = driver.findElement(By.name("q"));
        findElement.sendKeys("Iphone");
        //to remove x button
        WebElement findElement3 =
driver.findElement(By.xpath("//button[@class='_2KpZ6l _2doB4z']"));
        findElement3.click();

        WebElement findElement2 =
driver.findElement(By.xpath("//button[@type='submit']"));
        findElement2.click();

        //to take screen shot
        TakesScreenshot screenshot=(TakesScreenshot) driver;
        WebElement findElement1 =
driver.findElement(By.id("container"));///button[@class='_2KpZ6l _2doB4z']
        File screenshotAs2 =findElement1.getScreenshotAs(OutputType.FILE);

        File f2 =new
File("C://Users//navee//OneDrive//Desktop//Folderfile/exe9.jpeg");
        FileUtils.copyFile(screenshotAs2, f2);
    }
}

```

QUESTION 9

URL : <https://www.flipkart.com/>

NOTE: Mouse Over Womens and take the screenshot.

```

package org.tcs;

import java.io.File;
import java.io.IOException;

import org.apache.commons.io.FileUtils;

```

```

import org.openqa.selenium.By;
import org.openqa.selenium.JavascriptExecutor;
import org.openqa.selenium.OutputType;
import org.openqa.selenium.TakesScreenshot;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.chrome.ChromeOptions;
import org.openqa.selenium.interactions.Actions;

public class ScreenshotPractice {
    public static void main(String[] args) throws IOException,
InterruptedException {

        System.setProperty("webdriver.chrome.driver","C:\\\\Users\\\\navee\\\\eclipse-
workspace\\\\SeleniumDailyPractice\\\\driver\\\\chromedriver.exe");

        WebDriver driver =new ChromeDriver();
        driver.get("https://www.flipkart.com/");
        WebElement findElement3 =
driver.findElement(By.xpath("//button[@class='_2KpZ6l _2doB4z']"));
        findElement3.click();

        WebElement findElement =
driver.findElement(By.xpath("//span[text()='Women']"));
        //WebElement findElement3 =
driver.findElement(By.xpath("//button[@class='_2KpZ6l _2doB4z']"));
        //findElement3.click();
        Actions a =new Actions(driver);
        a.moveToElement(findElement).perform();
        //to take screen shot
        Thread.sleep(3000);
        //TakesScreenshot screenshot=(TakesScreenshot) driver;
        //WebElement findElement1 =
driver.findElement(By.xpath("//span[text()='Women']"));
        //File screenshotAs2 =findElement1.getScreenshotAs(OutputType.FILE);

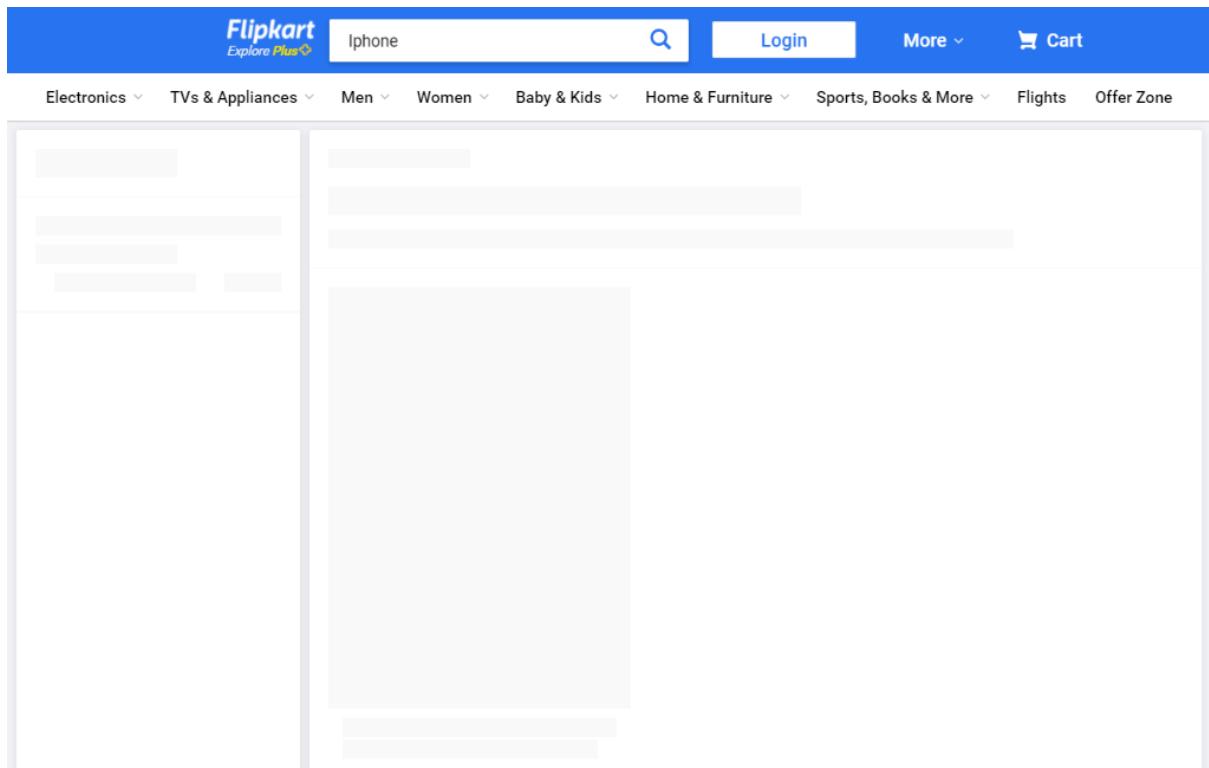
        //      File f2 =new
File("C://Users//navee//OneDrive//Desktop//Folderfile/exe9-13.jpeg");
        //      FileUtils.copyFile(screenshotAs2, f2);
    }
}

```

```

ScreenshotPractice.java
1 package org.tcs;
2
3 import java.io.File;
4 import java.io.IOException;
5
6 import org.apache.commons.io.FileUtils;
7 import org.openqa.selenium.By;
8 import org.openqa.selenium.JavascriptExecutor;
9 import org.openqa.selenium.OutputType;
10 import org.openqa.selenium.TakesScreenshot;
11 import org.openqa.selenium.WebDriver;
12 import org.openqa.selenium.WebElement;
13 import org.openqa.selenium.chrome.ChromeDriver;
14 import org.openqa.selenium.chrome.ChromeOptions;
15
16 public class ScreenshotPractice {
17     public static void main(String[] args) throws IOException, InterruptedException {
18         System.setProperty("webdriver.chrome.driver", "C:\\Users\\navee\\eclipse-workspace\\SeleniumDailyPractice\\driver\\chromedriver.exe");
19
20         WebDriver driver = new ChromeDriver();
21         driver.get("https://www.flipkart.com/");
22         WebElement findElement = driver.findElement(By.name("q"));
23         findElement.sendKeys("Iphone");
24         WebElement findElement3 = driver.findElement(By.xpath("//button[@class='_2KpZ61 _2doB4z']"));
25         findElement3.click();
26
27         WebElement findElement2 = driver.findElement(By.xpath("//button[@type='submit']"));
28         findElement2.click();
29
30
31         //to take screen shot
32         TakesScreenshot screenshot=(TakesScreenshot) driver;
33         WebElement findElement1 = driver.findElement(By.id("container"));///button[@class='_2KpZ61 _2doB4z']
34         File screenshotAs2 =findElement1.getScreenshotAs(OutputType.FILE);
35
36         File f2 =new File("C:/Users/navee/OneDrive/Desktop/Folderfile/exe9.jpeg");
37         FileUtils.copyFile(screenshotAs2, f2);
38     }
39 }

```



QUESTION 9

-----

URL : <https://www.flipkart.com/>

NOTE: Mouse Over Womens and take the screenshot.

QUESTION 11

-----

URL : <https://www.flipkart.com/>

NOTE: Mouse Over Kids & Baby and Take the screenshot

QUESTION 12

-----

URL : <https://www.snapdeal.com/>

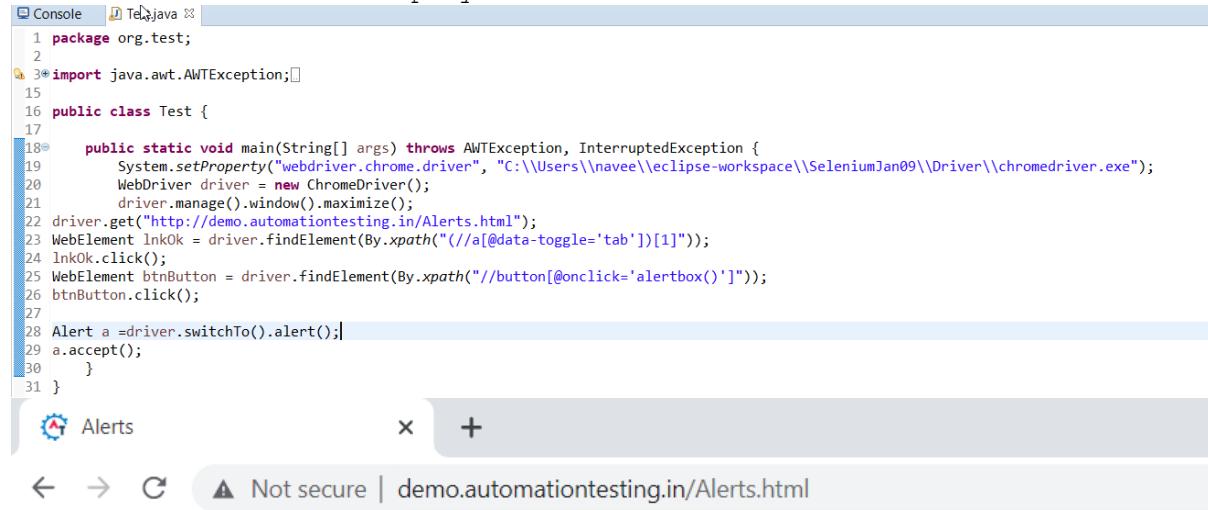
NOTE: search HP laptop and take the screenshot

SELENIUM  
-----  
DAY8  
----  
Alerts  
Frames  
QUESTIONS (Practical)

-----  
QUESTION 1:

-----  
URL : <http://demo.automationtesting.in/Alerts.html>

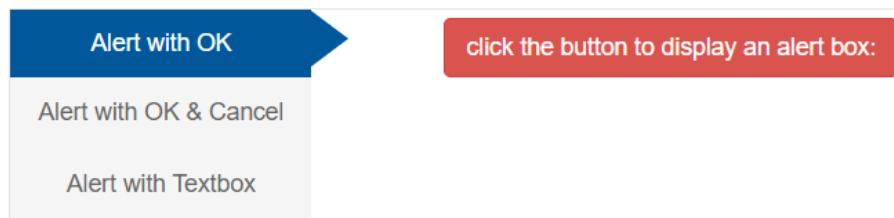
NOTE: Click button to display an alert box and click ok button



The screenshot shows an IDE interface with a code editor and a browser window. The code editor contains Java code for a Selenium test. The browser window shows a webpage titled 'Automation Demo Site' with a heading 'Alerts'. A red button labeled 'click the button to display an alert box:' is visible. The URL in the address bar is 'demo.automationtesting.in/Alerts.html'.

```
1 package org.test;
2
3* import java.awt.AWTException;*
4
5
6 public class Test {
7
8    public static void main(String[] args) throws AWTException, InterruptedException {
9        System.setProperty("webdriver.chrome.driver", "C:\\\\Users\\\\navee\\\\eclipse-workspace\\\\SeleniumJan09\\\\Driver\\\\chromedriver.exe");
10       WebDriver driver = new ChromeDriver();
11       driver.manage().window().maximize();
12       driver.get("http://demo.automationtesting.in/Alerts.html");
13       WebElement lnkOk = driver.findElement(By.xpath("//a[@data-toggle='tab'][1]"));
14       lnkOk.click();
15       WebElement btnButton = driver.findElement(By.xpath("//button[@onclick='alertbox()']"));
16       btnButton.click();
17
18       Alert a =driver.switchTo().alert();
19       a.accept();
20   }
21 }
```

Chrome is being controlled by automated test software.



QUESTION 2  
-----

-----  
URL : <http://demo.automationtesting.in/Alerts.html>

NOTE: Click Alert with ok & cancel button and Click button to display an confirm box Perform confirm alert.

```
Console Testjava
1 package org.test;
2
3@import java.awt.AWTException;
4
5
6 public class Test {
7
8    public static void main(String[] args) throws AWTException, InterruptedException {
9        System.setProperty("webdriver.chrome.driver", "C:\\Users\\navee\\eclipse-workspace\\SeleniumJan09\\Driver\\chromedriver.exe");
10       WebDriver driver = new ChromeDriver();
11       driver.manage().window().maximize();
12       driver.get("http://demo.automationtesting.in/Alerts.html");
13       WebElement lnkOk = driver.findElement(By.xpath("//a[@data-toggle='tab'][2]"));
14       lnkOk.click();
15       WebElement btnButton = driver.findElement(By.xpath("//button[@onclick='confirmbox()']"));
16       btnButton.click();
17
18       Alert a = driver.switchTo().alert();
19       a.accept();
20   }
21 }
```

Alerts

Not secure | demo.automationtesting.in/Alerts.html

Chrome is being controlled by automated test software.

The screenshot shows a web browser window with the title 'Automation Demo'. The navigation bar includes links for Home, Register, WebTable, SwitchTo (which is currently selected), Widgets, and Interactions. Below the navigation bar, there are three buttons: 'Alert with OK', 'Alert with OK & Cancel' (which is highlighted with a blue arrow pointing to it), and 'Alert with Textbox'. A callout box labeled 'click the button to display a confirm box' points to the 'Alert with OK & Cancel' button. A message box at the bottom right says 'You pressed Ok'.

QUESTION 3

-----

URL : <http://demo.automationtesting.in/Alerts.html>

NOTE: Click Alert with textBox button and Click button to demonstrate an prompt box Perform prompt alert.

Alerts x +

Not secure | demo.automationtesting.in/Alerts.html

Chrome is being controlled by automated test software.

 Automation Demo Si

Home Register WebTable SwitchTo Widgets Interactions

Alert with OK

Alert with OK & Cancel

Alert with Textbox

click the button to demonstrate the prompt box

Hello GREENS How are you today

```
1 package org.test;
2
3@import java.awt.AWTException;
4
5
6 public class Test {
7
8    public static void main(String[] args) throws AWTException, InterruptedException {
9        System.setProperty("webdriver.chrome.driver", "C:\\\\Users\\\\navee\\\\eclipse-workspace\\\\SeleniumJan09\\\\Driver\\\\chromedriver.exe");
10       WebDriver driver = new ChromeDriver();
11       driver.manage().window().maximize();
12       driver.get("http://demo.automationtesting.in/Alerts.html");
13       WebElement lnkOk = driver.findElement(By.xpath("//a[@data-toggle='tab'][3]"));
14       lnkOk.click();
15       WebElement btnButton = driver.findElement(By.xpath("//button[@onclick='promptbox()']"));
16       btnButton.click();
17
18       Alert a =driver.switchTo().alert();
19       a.sendKeys("GREENS");
20       a.accept();
21   }
22 }
```

QUESTION 4

-----

URL :

[https://netbanking.hdfcbank.com/netbanking/?\\_ga=2.176378149.1819882415.1533883212-608727520.1532670997](https://netbanking.hdfcbank.com/netbanking/?_ga=2.176378149.1819882415.1533883212-608727520.1532670997)

NOTE: Click continue without enter the user id and handle popup.

Welcome to HDFC Bank NetBank

netbanking.hdfcbank.com/netbanking/

Chrome is being controlled by automated test software.

**HDFC BANK**

Welcome to HDFC Bank NetBanking

Login to NetBanking

Customer ID/ User ID

[Forgot Customer ID](#)

**CONTINUE**

Norton SECURED  
powered by Symantec

Your security is of utmost importance.  
[Know More...](#)

Dear Customer,  
Welcome to the new login page of HDFC Bank NetBanking.  
Its lighter look and feel is designed to give you the best possible user experience. Please continue to login using your customer ID and password.

Don't have a HDFC Bank Savings Account?

[Credit Card only? Login here](#)

[Prepaid Card only ? Login here](#)

[Retail Loan only? Login here](#)

33x866 | 11:30:43 - Exported to: Save as (displaying dialog)

Selenium Training in Chennai | Sc | traininginchenai.in/August-2011 | Welcome to HDFC Bank NetBank

netbanking.hdfcbank.com says  
Customer ID cannot be left blank.

**OK**

Login to NetBanking

Customer ID/ User ID

[Forgot Customer ID](#)

**CONTINUE**

Norton SECURED  
powered by Symantec

Your security is of utmost importance.  
[Know More...](#)

First Time User?  
[Register Now](#) for a host of convenient features

We have added a host of new features!

You can now do so much more:

- Anywhere access through Desktop or mobile
- Enhanced security measures

Dear Customer,  
Welcome to the new login page of HDFC Bank NetBanking.  
Its lighter look and feel is designed to give you the best possible user experience. Please continue to login using your customer ID and password.

Don't have a HDFC Bank Savings Account?

[Credit Card only? Login here](#)

[Prepaid Card only ? Login here](#)

[Retail Loan only? Login here](#)

```
*FlipkartProject.java
1 package org.test;
2
3 import java.awt.Desktop.Action;
4 import java.util.List;
5 import java.util.Set;
6
7 import org.openqa.selenium.Alert;
8 import org.openqa.selenium.By;
9 import org.openqa.selenium.WebDriver;
10 import org.openqa.selenium.WebElement;
11 import org.openqa.selenium.chrome.ChromeDriver;
12 import org.openqa.selenium.firefox.FirefoxDriver;
13 import org.openqa.selenium.interactions.Actions;
14
15 public class FlipkartProject {
16     public static void main(String[] args) throws InterruptedException {
17         System.setProperty("webdriver.chrome.driver", "C:\\Users\\navee\\eclipse-workspace\\SeleniumDailyPractice\\driver");
18         WebDriver driver =new ChromeDriver();
19         driver.get("https://netbanking.hdfcbank.com/");
20         driver.switchTo().frame(0);
21
22         WebElement txtButton = driver.findElement(By.xpath("//a[text()='CONTINUE']"));
23         txtButton.click();
24         Alert a =driver.switchTo().alert();
25         a.accept();
26     }
27 }
28
29 }
30
31
```

QUESTION 5

-----

URL : <https://netbanking.canarabank.in/entry/ENULogin.jsp>

NOTE: Click sign in without enter the user id and print text appear and handle popup.

QUESTION 6

-----

URL : <https://retail.onlinesbi.com/retail/login.htm>

NOTE: Click Continue To Login and click Login without enter the user id.

QUESTION 7

-----

URL : <https://netbanking.hdfcbank.com/netbanking/>

NOTE: Enter the userId,click continue.Enter password.

```

FlipkartProject.java
1 package org.test;
2
3 import java.awt.Desktop.Action;
4 import java.util.List;
5 import java.util.Set;
6
7 import org.openqa.selenium.By;
8 import org.openqa.selenium.WebDriver;
9 import org.openqa.selenium.WebElement;
10 import org.openqa.selenium.chrome.ChromeDriver;
11 import org.openqa.selenium.firefox.FirefoxDriver;
12 import org.openqa.selenium.interactions.Actions;
13
14 public class FlipkartProject {
15     public static void main(String[] args) throws InterruptedException {
16         System.setProperty("webdriver.chrome.driver", "C:\\Users\\navee\\eclipse-workspace\\SeleniumDailyPractice\\driver");
17         WebDriver driver = new ChromeDriver();
18         driver.get("https://netbanking.hdfcbank.com/");
19         driver.switchTo().frame(0);
20         WebElement txtUsername = driver.findElement(By.xpath("//input[@type='text']"));
21         txtUsername.sendKeys("NAVEEN");
22         WebElement txtButton = driver.findElement(By.xpath("//a[text()='CONTINUE']"));
23         txtButton.click();
24         WebElement txtPassword = driver.findElement(By.id("fldPasswordDispId"));
25         txtPassword.sendKeys("1234455");
26     }
27
28 }
29
30

```

Welcome to HDFC Bank NetBank

netbanking.hdfcbank.com/netbanking/

Chrome is being controlled by automated test software.

QUESTION 8

-----

URL :

[https://infinity.icicibank.com/corp/AuthenticationController?FORMSGROUP\\_ID\\_=AuthenticationFG&\\_\\_START\\_TRAN\\_FLAG\\_\\_=Y&FG\\_BUTTONS\\_\\_=LOAD&ACTION LOAD=Y&AuthenticationFG.LOGIN\\_FLAG=1&BANK\\_ID=ICI](https://infinity.icicibank.com/corp/AuthenticationController?FORMSGROUP_ID_=AuthenticationFG&__START_TRAN_FLAG__=Y&FG_BUTTONS__=LOAD&ACTION LOAD=Y&AuthenticationFG.LOGIN_FLAG=1&BANK_ID=ICI)

NOTE: Enter the userId password.  
Click login button

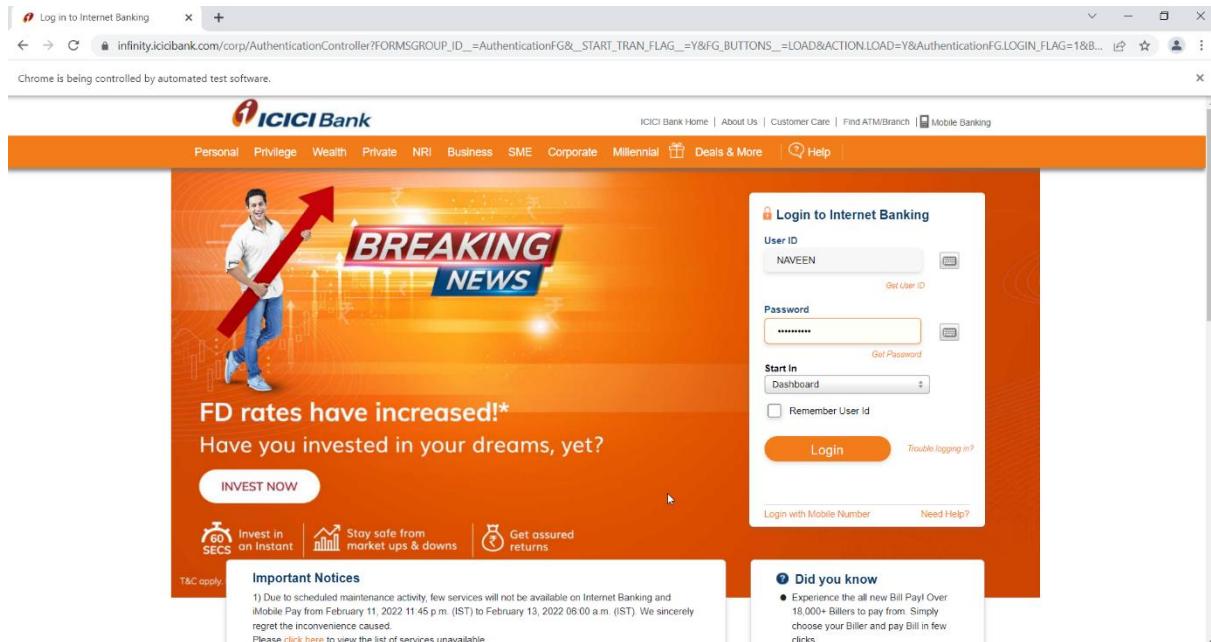
```
package org.test;

import java.awt.Desktop.Action;
import java.util.List;
import java.util.Set;

import org.openqa.selenium.Alert;
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.firefox.FirefoxDriver;
import org.openqa.selenium.interactions.Actions;

public class FlipkartProject {
    public static void main(String[] args) throws InterruptedException {
        System.setProperty("webdriver.chrome.driver", "C:\\Users\\navee\\eclipse-workspace\\SeleniumDailyPractice\\driver\\chromedriver.exe");
        WebDriver driver = new ChromeDriver();
        driver.get("https://infinity.icicibank.com/corp/AuthenticationController?FORMSGROUP_ID=_AuthenticationFG&__START_TRAN_FLAG__=Y&FG_BUTTONS__=LOAD&ACTION LOAD=Y&AuthenticationFG.LOGIN_FLAG=1&BANK_ID=ICI");
        driver.manage().window().maximize();
        WebElement txtUserName = driver.findElement(By.id("DUMMY1"));
        txtUserName.click();
        WebElement txtUserName1 =
        driver.findElement(By.id("AuthenticationFG.USER_PRINCIPAL"));
        txtUserName1.sendKeys("NAVEEN");
        WebElement txtAuth =
        driver.findElement(By.id("AuthenticationFG.ACCESS_CODE"));
        txtAuth.sendKeys("1234567890");
        WebElement txtPassword= driver.findElement(By.id("VALIDATE_CREDENTIALS1"));
        txtPassword.click();

    }
}
```



```
FlipkartProject.java
1 package org.test;
2
3 import java.awt.Desktop.Action;
4 import java.util.List;
5 import java.util.Set;
6
7 import org.openqa.selenium.Alert;
8 import org.openqa.selenium.By;
9 import org.openqa.selenium.WebDriver;
10 import org.openqa.selenium.WebElement;
11 import org.openqa.selenium.chrome.ChromeDriver;
12 import org.openqa.selenium.firefox.FirefoxDriver;
13 import org.openqa.selenium.interactions.Actions;
14
15 public class FlipkartProject {
16     public static void main(String[] args) throws InterruptedException {
17         System.setProperty("webdriver.chrome.driver", "C:\\\\Users\\\\navee\\\\eclipse-workspace\\\\SeleniumDailyPractice\\\\driver");
18         WebDriver driver = new ChromeDriver();
19         driver.get("https://infinity.icicibank.com/corp/AuthenticationController?FORMSGROUP_ID_=AuthenticationFG&__STAR");
20         driver.manage().window().maximize();
21         WebElement txtUserName = driver.findElement(By.id("DUMMY1"));
22         txtUserName.click();
23         WebElement txtUserName1 = driver.findElement(By.id("AuthenticationFG.USER_PRINCIPAL"));
24         txtUserName1.sendKeys("NAVEEN");
25         WebElement txtAuth = driver.findElement(By.id("AuthenticationFG.ACCESS_CODE"));
26         txtAuth.sendKeys("1234567890");
27         //WebElement txtPassword= driver.findElement(By.id("VALIDATE_CREDENTIALS1"));
28         //txtPassword.click();
29
30     }
31
32 }
33
34
35
```

Log in to Internet Banking

infinity.icicibank.com/corp/AuthenticationController;jsessionid=0000Xs0IEBVk5zATxuv\_JSHD9GE:DR14d5bfse?bwayparam=dg9CRPWR55dN9LwNo9RoAzLfrbGT78fof5ytfIKSQ4%3D

Chrome is being controlled by automated test software.

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**Login to Internet Banking**

User ID

Password

Start In

Remember User Id

**Login** Trouble logging in?

[Login with Mobile Number](#) [Need Help?](#)

SELENIUM  
-----  
DAY9  
-----  
Drop Down

QUESTION 3

-----  
URL : <https://www.facebook.com/>

NOTE: Print all the options in year using getAttribute() method

```
package org.test;
```

```
import java.util.HashSet;
```

```
import java.util.List;
```

```
import java.util.Set;
```

```
//import java.util.List;
```

```
import org.openqa.selenium.By;
```

```
import org.openqa.selenium.WebDriver;
```

```
import org.openqa.selenium.WebElement;
```

```
import org.openqa.selenium.chrome.ChromeDriver;
```

```
import org.openqa.selenium.support.ui.Select;
```

```
public class JavaScript1 {
```

```
    public static void main(String[] args) throws InterruptedException {
```

```
        System.setProperty("webdriver.chrome.driver", "C:\\\\Users\\\\navee\\\\eclipse-  
workspace\\\\SeleniumJan09\\\\Driver\\\\chromedriver.exe");
```

```
        WebDriver driver=new ChromeDriver();
```

```
        driver.get("http://www.facebook.com/");
```

```
        WebElement crt = driver.findElement(By.xpath("//a[text()='Create New Account']"));
```

```
        crt.click();
```

```
        Thread.sleep(3000);
```

```

WebElement mon = driver.findElement(By.id("year"));

Select s =new Select(mon);

List<WebElement> all = s.getOptions();

for (WebElement x : all) {

    System.out.println(x.getAttribute("value"));

}

}

```

The screenshot shows the Eclipse IDE interface. On the left is the code editor with the file 'JavaScript1.java' containing Java code for interacting with a dropdown menu on Facebook. On the right is the 'Console' tab, which displays the output of the program's execution. The output lists years from 1988 to 2022, corresponding to the options in the dropdown.

```

1 package org.test;
2
3 import java.util.HashSet;
4 public class JavaScript1 {
5
6     public static void main(String[] args) throws InterruptedException {
7         System.setProperty("webdriver.chrome.driver", "C:\\Users\\navee\\eclipse-workspace\\SeleniumJan09\\Driver\\chromedriver.exe");
8         WebDriver driver=new ChromeDriver();
9         driver.get("http://www.facebook.com/");
10        WebElement crt = driver.findElement(By.xpath("//a[text()='Create New Account']"));
11        crt.click();
12        Thread.sleep(3000);
13        WebElement mon = driver.findElement(By.id("year"));
14        Select s =new Select(mon);
15        List<WebElement> all = s.getOptions();
16        for (WebElement x : all) {
17            System.out.println(x.getAttribute("value"));
18        }
19    }
20
21 }
22 //Print all the options in year using getAttribute() method

```

```

2022
2021
2020
2019
2018
2017
2016
2015
2014
2013
2012
2011
2010
2009
2008
2007
2006
2005
2004
2003
2002
2001
2000
1999
1998
1997
1996
1995
1994
1993
1992
1991
1990
1989
1988
1987

```

#### QUESTION 4

-----

URL : <https://www.facebook.com/>

NOTE: Print all the options in month using getText() method

**package org.test;**

```

import java.util.HashSet;
import java.util.List;
import java.util.Set;

//import java.util.List;

import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.support.ui.Select;
public class JavaScript1 {

    public static void main(String[] args) throws InterruptedException {
        System.setProperty("webdriver.chrome.driver", "C:\\Users\\navee\\eclipse-
workspace\\SeleniumJan09\\Driver\\chromedriver.exe");
        WebDriver driver=new ChromeDriver();

```

```

        driver.get("http://www.facebook.com/");
        WebElement crt = driver.findElement(By.xpath("//a[text()='Create New
Account']"));
        crt.click();
        Thread.sleep(3000);
WebElement mon = driver.findElement(By.id("month"));
Select s =new Select(mon);
List<WebElement> all = s.getOptions();
int size=all.size();
for (int i = 0; i < size; i++) {
WebElement opt = all.get(i);
System.out.println(all.get(i).getText());
}
}
}
    
```

```

1 package org.test;
2
3*import java.util.HashSet;
4 public class JavaScript1 {
5
6@  public static void main(String[] args) throws InterruptedException {
7 System.setProperty("webdriver.chrome.driver", "C:\\Users\\navee\\eclipse-workspace\\SeleniumJan09\\Driver\\chromedriver");
8 WebDriver driver=new ChromeDriver();
9 driver.get("http://www.facebook.com/");
10 WebElement crt = driver.findElement(By.xpath("//a[text()='Create New Account']"));
11 crt.click();
12 Thread.sleep(3000);
13 WebElement mon = driver.findElement(By.id("month"));
14 Select s =new Select(mon);
15 List<WebElement> all = s.getOptions();
16 int size=all.size();
17 for (int i = 0; i < size; i++) {
18 WebElement opt = all.get(i);
19 System.out.println(all.get(i).getText());
20 }
21 }
22 }
    
```

## QUESTION 5

---

URL : <https://www.facebook.com/>

NOTE: print the even dates

```

package org.test;

import java.util.HashSet;
import java.util.List;
import java.util.Set;

//import java.util.List;

import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.support.ui.Select;
    
```

```

public class JavaScript1 {

    public static void main(String[] args) throws InterruptedException {
        System.setProperty("webdriver.chrome.driver", "C:\\\\Users\\\\navee\\\\eclipse-workspace\\\\SeleniumJan09\\\\Driver\\\\chromedriver.exe");
        WebDriver driver=new ChromeDriver();
        driver.get("http://www.facebook.com/");
        WebElement crt = driver.findElement(By.xpath("//a[text()='Create New Account']"));
        crt.click();
        Thread.sleep(3000);
        WebElement mon = driver.findElement(By.id("day"));
        Select s =new Select(mon);
        List<WebElement> all = s.getOptions();
        int size=all.size();
        for (int i = 1; i < size; i++) {
            if(i%2 == 1) {

        WebElement opt = all.get(i);
        System.out.println(all.get(i).getText());
    }
}
}
}

```

```

package org.test;
import java.util.HashSet;
import java.util.List;
import java.util.Set;
//import java.util.List;
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.support.ui.Select;
public class JavaScript1 {
    public static void main(String[] args) throws InterruptedException {
        System.setProperty("webdriver.chrome.driver", "C:\\\\Users\\\\navee\\\\eclipse-workspace\\\\SeleniumJan09\\\\Driver\\\\chromedriver.exe");
        WebDriver driver=new ChromeDriver();
        driver.get("http://www.facebook.com/");
        WebElement crt = driver.findElement(By.xpath("//a[text()='Create New Account']"));
        crt.click();
        Thread.sleep(3000);
        WebElement mon = driver.findElement(By.id("day"));
        Select s =new Select(mon);
        List<WebElement> all = s.getOptions();
        int size=all.size();
        for (int i = 1; i < size; i++) {
            if(i%2 == 1) {

        WebElement opt = all.get(i);
        System.out.println(all.get(i).getText());
    }
}
}
}

```

<terminated> JavaS  
Starting Chrome  
Only local conn  
Please see http://  
ChromeDriver wa  
Feb 05, 2022 7:  
INFO: Detected  
Feb 05, 2022 7:  
WARNING: Unable  
Feb 05, 2022 7:  
INFO: Found CDF  
2  
4  
6  
8  
10  
12  
14  
16  
18  
20  
22  
24  
26  
28  
30

QUESTION 1

-----

URL : <http://demoqa.com/automation-practice-form/>

NOTE: print all the even option in State and City

**package org.test;**

```

import java.util.HashSet;
import java.util.List;
import java.util.Set;

```

```
//import java.util.List;
```

```

import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.support.ui.Select;
public class JavaScript1 {

    public static void main(String[] args) throws InterruptedException {
        System.setProperty("webdriver.chrome.driver", "C:\\\\Users\\\\navee\\\\eclipse-workspace\\\\SeleniumJan09\\\\Driver\\\\chromedriver.exe");
        WebDriver driver=new ChromeDriver();
        driver.get("http://demoqa.com/automation-practice-form/");
        WebElement crt = driver.findElement(By.xpath("//div[@class=' css-1hwfws3 '])[1]"));
        //crt.click();
        Thread.sleep(3000);
        //WebElement mon = driver.findElement(By.id("day"));
        Select s =new Select(crt);
        List<WebElement> all = s.getOptions();
        int size=all.size();
        for (int i = 1; i < size; i++) {
            if(i%2 == 1) {

                WebElement opt = all.get(i);
                System.out.println(all.get(i).getText());
            }
        }
    }
}
QUESTION 6
-----
URL : http://demo.guru99.com/test/newtours/register.php

```

NOTE: print all the option of country using getText() methods

```

package org.test;

import java.util.HashSet;
import java.util.List;
import java.util.Set;

//import java.util.List;

import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.support.ui.Select;
public class JavaScript1 {
    public static void main(String[] args) throws InterruptedException {
        System.setProperty("webdriver.chrome.driver", "C:\\\\Users\\\\navee\\\\eclipse-workspace\\\\SeleniumJan09\\\\Driver\\\\chromedriver.exe");
        WebDriver driver=new ChromeDriver();
        driver.get("http://demo.guru99.com/test/newtours/register.php");
        WebElement crt = driver.findElement(By.name("country"));

        Thread.sleep(3000);

        Select s =new Select(crt);

```

```

List<WebElement> all = s.getOptions();
int size=all.size();
for (int i = 0; i < size; i++) {

WebElement opt = all.get(i);
System.out.println(all.get(i).getText());
}
}
}
    
```

The screenshot shows the Eclipse IDE interface. On the left, the code editor displays a Java file named `JavaScript1.java`. The code implements a Selenium WebDriver script to print the options available in a dropdown menu. The right side shows the `Console` tab, which displays the output of the program's execution. The output lists numerous countries and territories, each preceded by a small icon.

```

*JavaScript1.java *
1 package org.test;
2
3 import java.util.HashSet;
4 import java.util.List;
5 import java.util.Set;
6
7 //import java.util.List;
8
9 import org.openqa.selenium.By;
10 import org.openqa.selenium.WebDriver;
11 import org.openqa.selenium.WebElement;
12 import org.openqa.selenium.chrome.ChromeDriver;
13 import org.openqa.selenium.support.ui.Select;
14 public class JavaScript1 {
15     public static void main(String[] args) throws InterruptedException {
16         System.setProperty("webdriver.chrome.driver", "C:\\Users\\navee\\eclipse-work
17         WebDriver driver=new ChromeDriver();
18         driver.get("http://demo.guru99.com/test/newtours/register.php");
19         WebElement crt = driver.findElement(By.name("country"));
20
21         Thread.sleep(3000);
22
23         Select s =new Select(crt);
24         List<WebElement> all = s.getOptions();
25         int size=all.size();
26         for (int i = 0; i < size; i++) {
27
28             WebElement opt = all.get(i);
29             System.out.println(all.get(i).getText());
30         }
31     }
32 }
33 //print all the option of country using getText() methods
34

```

Console Output:

```

<terminated> JavaScript1 [Java Application] C:\Users\navee\workspace\JavaScript1\bin
IRELAND
ISRAEL
ITALY
JAMAICA
JAN MAYER
JAPAN
JARVIS ISLAND
JERSEY
JOHNSTON ATOLL
JORDAN
JUAN DE NOVA ISLAND
KAZAKHSTAN
KENYA
KINGMAN REEF
KIRIBATI
KOREA, DEMOCRATIC PEOPLE'S REPUBLIC OF
KOREA, REPUBLIC OF
KUWAIT
KYRGYZSTAN
LAOS
LATVIA
LEBANON
LESOTHO
LIBERIA
LIBYA
LIECHTENSTEIN
LITHUANIA
LUXEMBOURG
MACAU
MACEDONIA, FORMER REPUBLIC OF
MADAGASCAR
MALAWI
MALAYSIA
MALDIVES
MALI
MALTA

```

QUESTION 13

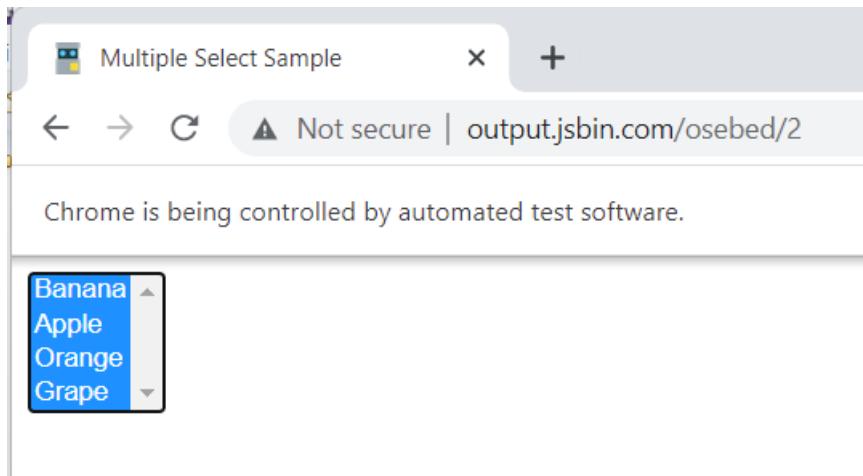
-----  
URL : <http://output.jsbin.com/osebed/2>

NOTE: Select All available in fruits  
Print first selected option

```

JavaScript1.java
1 package org.test;
2
3 import java.util.HashSet;
4 import java.util.List;
5 import java.util.Set;
6
7 //import java.util.List;
8
9 import org.openqa.selenium.By;
10 import org.openqa.selenium.WebDriver;
11 import org.openqa.selenium.WebElement;
12 import org.openqa.selenium.chrome.ChromeDriver;
13 import org.openqa.selenium.support.ui.Select;
14 public class JavaScript1 {
15     public static void main(String[] args) throws InterruptedException {
16         System.setProperty("webdriver.chrome.driver", "C:\\Users\\navee\\eclipse-workspace\\SeleniumJan09\\Driver\\chromedriver.exe");
17         WebDriver driver=new ChromeDriver();
18         driver.get("http://output.jsbin.com/osebed/2");
19         WebElement dd=driver.findElement(By.id("fruits"));
20         Select s=new Select(dd);
21         List<WebElement> opt = s.getOptions();
22         for (WebElement w : opt) {
23             String text = w.getText();
24             s.selectByVisibleText(text);
25         }
26     }
27
28 }

```



#### QUESTION 7

-----  
URL : <http://demo.guru99.com/test/newtours/register.php>

NOTE: print all the option of country using getAttribute() method  
Register Form

```

package org.test;

import java.util.HashSet;
import java.util.List;
import java.util.Set;

//import java.util.List;

import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.support.ui.Select;
public class JavaScript1 {

```

```

public static void main(String[] args) throws InterruptedException {
    System.setProperty("webdriver.chrome.driver", "C:\\\\Users\\\\navee\\\\eclipse-workspace\\\\SeleniumJan09\\\\Driver\\\\chromedriver.exe");
    WebDriver driver=new ChromeDriver();
    driver.get("http://demo.guru99.com/test/newtours/register.php");
    WebElement crt = driver.findElement(By.name("country"));

    Thread.sleep(3000);

    Select s =new Select(crt);
    List<WebElement> all = s.getOptions();

    int size=all.size();
    for (WebElement web : all) {
        System.out.println(web.getAttribute("value"));
    }
}
}

JavaScript1java ✘ JavaScript1.java ✘ Console ✘
1 package org.test;
2
3 import java.util.HashSet;
4 import java.util.List;
5 import java.util.Set;
6
7 //import java.util.List;
8
9 import org.openqa.selenium.By;
10 import org.openqa.selenium.WebDriver;
11 import org.openqa.selenium.WebElement;
12 import org.openqa.selenium.chrome.ChromeDriver;
13 import org.openqa.selenium.support.ui.Select;
14 public class JavaScript1 {
15     public static void main(String[] args) throws InterruptedException {
16         System.setProperty("webdriver.chrome.driver", "C:\\\\Users\\\\navee\\\\eclipse-workspace\\\\SeleniumJan09\\\\Driver\\\\chromedriver.exe");
17         WebDriver driver=new ChromeDriver();
18         driver.get("http://demo.guru99.com/test/newtours/register.php");
19         WebElement crt = driver.findElement(By.name("country"));

20         Thread.sleep(3000);

21         Select s =new Select(crt);
22         List<WebElement> all = s.getOptions();

23         int size=all.size();
24         for (WebElement web : all) {
25             System.out.println(web.getAttribute("value"));
26         }
27     }
28 }
29
30
31
32
33 //print all the option of country using getText() methods
34

```

ALBANIA  
ALGERIA  
AMERICAN SAMOA  
ANDORRA  
ANGOLA  
ANGUILLA  
ANTARCTICA  
ANTIGUA AND BARBUDA  
ARGENTINA  
ARMENIA  
ARUBA  
ASHMORE AND CARTIER ISLANDS  
AUSTRALIA  
AUSTRIA  
AZERBAIJAN  
BAHAMAS  
BAHRAIN  
BAKER ISLAND  
BANGLADESH  
BARBADOS  
BASSA DE INDIA  
BELARUS  
BELGIUM  
BELIZE  
BENIN  
BERMUDA  
BHUTAN  
BOLIVIA  
BOSNIA AND HERZEGOVINA  
BOTSWANA  
BOUVENT ISLAND  
BRAZIL  
BRITISH INDIAN OCEAN TERRITORY  
BRITISH VIRGIN ISLANDS  
BRUNEI  
BULGARIA

QUESTIONS (Practical)

-----  
QUESTION 1

-----  
URL : <http://demoqa.com/automation-practice-form/>

NOTE: print all the even option in State and City

-----  
QUESTION 2

**URL : <http://demoqa.com/automation-practice-form/>**

**NOTE: print all the odd option in State and City**

**QUESTION 3**

-----

**URL : <https://www.facebook.com/>**

**NOTE: Print all the options in year using getAttribute() method**

**QUESTION 4**

-----

**URL : <https://www.facebook.com/>**

**NOTE: Print all the options in month using getText() method**

**QUESTION 5**

-----

**URL : <https://www.facebook.com/>**

**NOTE: print the even dates**

**QUESTION 6**

-----

**URL : <http://demo.guru99.com/test/newtours/register.php>**

**NOTE: print all the option of country using getText() methods**

**QUESTION 7**

-----

**URL : <http://demo.guru99.com/test/newtours/register.php>**

**NOTE: print all the option of country using getAttribute() method  
Register Form**

**QUESTION 8**

-----

**URL : <http://adactinhotelapp.com/>**

**NOTE: Book room and print order no.**

**QUESTION 9**

-----

**URL : <http://adactinhotelapp.com/>**

**NOTE: print all the option in Room Type available.**

**QUESTION 10**

-----

**URL : <http://adactinhotelapp.com/>**

**NOTE: print all the option in Location available.**

**QUESTION 11**

-----

**URL : <http://adactin.com/HotelApp/>**

**NOTE: print No of option available in Adults per Room**

**QUESTION 12**

-----  
URL : <http://output.jsbin.com/osebed/2>

NOTE: Select Even Option available in fruits  
Find out number of option not selected

QUESTION 13

-----  
URL : <http://output.jsbin.com/osebed/2>

NOTE: Select All available in fruits  
Print first selected option

SELENIUM  
-----  
DAY10  
-----  
Windows Handling  
QUESTIONS (Practical)

---

QUESTION 1  
-----  
URL : <https://www.amazon.com/>

NOTE: Search iphones X and right click 1st phone and give open in new window  
print cost of product

```
package org.test;

import java.awt.AWTException;
import java.awt.Robot;
import java.awt.event.KeyEvent;
import java.util.List;

import org.openqa.selenium.Alert;
import org.openqa.selenium.By;
import org.openqa.selenium.JavascriptExecutor;
import org.openqa.selenium.Keys;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.firefox.FirefoxDriver;
import org.openqa.selenium.interactions.Actions;

public class Test {

    public static void main(String[] args) throws AWTException,
    InterruptedException {
        System.setProperty("webdriver.chrome.driver",
"C:\\\\Users\\\\navee\\\\eclipse-workspace\\\\SeleniumJan09\\\\Driver\\\\chromedriver.exe");
        WebDriver driver = new ChromeDriver();

        driver.manage().window().maximize();
        driver.get("https://www.amazon.com/");
        WebElement src = driver.findElement(By.id("twotabsearchtextbox"));
        src.sendKeys("iphone x",Keys.ENTER);

        //Thread.sleep(4000);

        WebElement lnk1 =
        driver.findElement(By.xpath("//span[contains(text(),'Thin')])[1]"));
        lnk1.click();
        //Actions a =new Actions(driver);
        //a.contextClick(lnk1).perform();
        WebElement text1 = driver.findElement(By.xpath("//td[text()='Price:']"));
        String text2 = text1.getText();
        System.out.println(text2 );
        WebElement txtPrice = driver.findElement(By.xpath("//span[text()='$115.99 ']"));
        String text = txtPrice.getText();
        System.out.println(text);
    }
}
```

Test.java

```

1 package org.test;
2
3 import java.awt.AWTException;
4
5 public class Test {
6
7     public static void main(String[] args) throws AWTException, InterruptedException {
8         System.setProperty("webdriver.chrome.driver", "C:\\Users\\navee\\eclipse-workspace\\SeleniumJan09\\Driver\\chromedriver.exe");
9         WebDriver driver = new ChromeDriver();
10
11     driver.manage().window().maximize();
12     driver.get("https://www.amazon.com/");
13     WebElement src = driver.findElement(By.id("twotabsearchtextbox"));
14     src.sendKeys("iphone x",Keys.ENTER);
15
16     Thread.sleep(4000);
17
18     WebElement lnk1 = driver.findElement(By.xpath("//span[contains(text(),'Thin')])[1]"));
19     lnk1.click();
20     Actions a =new Actions(driver);
21     //a.contextClick(lnk1).perform();
22     WebElement txtPrice = driver.findElement(By.xpath("//span[text()=' $115.99 ']"));
23     String text = txtPrice.getText();
24     System.out.println(text);
25 }
26
27 }
28
29
30
31
32
33
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35
36
37
38
39
40

```

Console

```

<terminated> Test [Java Application]
Starting ChromeDriver 97.0.4692.75 (36d398310c1a5b40c73a9b7a82e2d050)
Only local connections are allowed.
Please see https://chromedriver.chromium.org/
ChromeDriver was started at Feb 07, 2022 10:30:41 AM
INFO: Detected dialect: I
Feb 07, 2022 10:30:41 AM
WARNING: Unable to find .jar file for dialect I
Feb 07, 2022 10:30:41 AM
INFO: Found CDP implementation
$115.99

```

Amazon.com: Vbestlife IP12 PRO+ x

Amazon.com: Vbestlife IP12 PRO+ Unlocked Android Smartphone, 6.26" Waterdrop Full Screen Dual SIM Cell Phone, Ultra Thin Mobile Phone Supports Face Fingerprint Unlocking, Quad Core CPU, Triple Rear Camera (Black)

Brand: Vbestlife

★☆☆☆☆ 19 ratings | 4 answered questions

Price: \$115.99

Join Prime to save \$11.60 on this item

Available at a lower price from other sellers that may not offer free Prime shipping.

Color: Black

\$115.99	1 option from \$75.89	\$109.99	1 option from \$75.89
----------	-----------------------	----------	-----------------------

Wireless Carrier      Unlocked

OnePlus Nord N200 | 5G

Test.java

```

1 package org.test;
2
3 import java.awt.AWTException;
4
5 public class Test {
6
7     public static void main(String[] args) throws AWTException, InterruptedException {
8         System.setProperty("webdriver.chrome.driver", "C:\\Users\\navee\\eclipse-workspace\\SeleniumJan09\\Driver\\chromedriver.exe");
9         WebDriver driver = new ChromeDriver();
10
11     driver.manage().window().maximize();
12     driver.get("https://www.amazon.com/");
13     WebElement src = driver.findElement(By.id("twotabsearchtextbox"));
14     src.sendKeys("iphone x",Keys.ENTER);
15
16     //Thread.sleep(4000);
17
18     WebElement lnk1 = driver.findElement(By.xpath("//span[contains(text(),'Thin')])[1]"));
19     lnk1.click();
20     Actions a =new Actions(driver);
21     //a.contextClick(lnk1).perform();
22     WebElement txt1 = driver.findElement(By.xpath("//td[text()='Price:']"));
23     String text1 = txt1.getText();
24     System.out.println(text1);
25     WebElement txtPrice = driver.findElement(By.xpath("//span[text()=' $115.99 ']"));
26     String text = txtPrice.getText();
27     System.out.println(text);
28 }
29
30
31
32
33
34
35
36
37
38
39
40

```

Console

```

<terminated> Test [Java Application]
Starting ChromeDriver 97.0.4692.75 (36d398310c1a5b40c73a9b7a82e2d050)
Only local connections are allowed.
Please see https://chromedriver.chromium.org/
ChromeDriver was started at Feb 07, 2022 10:30:41 AM
INFO: Detected dialect: I
Feb 07, 2022 10:30:41 AM
WARNING: Unable to find .jar file for dialect I
Feb 07, 2022 10:30:41 AM
INFO: Found CDP implementation
$115.99

```

QUESTION 2

-----

URL : <https://www.snapdeal.com/>

NOTE: Search iphones 7 and click 1st phone  
add it to cart.  
print the you pay cost displayed.

```
package org.test;

import java.awt.AWTException;
import java.awt.Robot;
import java.awt.event.KeyEvent;
import java.util.List;
import java.util.Set;

import org.openqa.selenium.Alert;
import org.openqa.selenium.By;
import org.openqa.selenium.JavascriptExecutor;
import org.openqa.selenium.Keys;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.chrome.ChromeOptions;
import org.openqa.selenium.firefox.FirefoxDriver;
import org.openqa.selenium.interactions.Actions;

public class Test {

    public static void main(String[] args) throws AWTException,
    InterruptedException {
        ChromeOptions ops = new ChromeOptions();
        ops.addArguments("--disable-notifications");
        System.setProperty("webdriver.chrome.driver",
        "C:\\\\Users\\\\navee\\\\eclipse-workspace\\\\SeleniumJan09\\\\Driver\\\\chromedriver.exe");
        WebDriver driver = new ChromeDriver(ops);

        driver.manage().window().maximize();
        driver.get(" https://www.snapdeal.com/ ");
        //to find out the window id
        String pri = driver.getWindowHandle();
        System.out.println(pri);
        WebElement src = driver.findElement(By.id("inputValEnter"));
        src.sendKeys("iphone 7",Keys.ENTER);
        System.out.println(driver.getWindowHandle());
        WebElement lnk1 = driver.findElement(By.xpath("//p[contains(text(),'Iphone 7 Shock
        Proof Case Doyen Creations - Black Black Soft Slim Cover')]"));
        lnk1.click();
        Set<String> allwin = driver.getWindowHandles();
        for (String string : allwin) {
            if(!string.equals(pri)) {
                driver.switchTo().window(string);
            }
        }
        System.out.println(driver.getWindowHandle());
        WebElement txtPrice = driver.findElement(By.xpath("//span[text()='add to
        cart']"));
    }
}
```

```

txtPrice.click();
WebElement text1 = driver.findElement(By.xpath("//div[text()='You Pay: ']"));
String text2 = text1.getText();
System.out.println(text2 );
//WebElement txtPrice = driver.findElement(By.xpath("//span[text()='$115.99 ']"));
//String text = txtPrice.getText();
//System.out.println(text);
}
}

```

The screenshot shows an IDE interface with several panes:

- Code Editor:** Displays the Java code provided above.
- Console:** Shows the command-line output of the test execution. It includes logs from the ChromeDriver and Selenium libraries, indicating the driver was started successfully and found the CDP implementation for version 97 of 96. It also shows the printed output "You Pay: Rs. 179".
- Browser Preview:** Shows a screenshot of the Snapdeal website. A success message at the top says "Iphone 7 Shock Proof Case Doyen Creations - Black Black Soft Slim Cover added to your cart". Below it, there's a product thumbnail, the item name, and a summary line: "Your Order 1 item You Pay: Rs. 179 (Including delivery and other charges. View Cart for details)".

### QUESTION 3

---

URL : <https://www.homedepot.com/>

NOTE: Search ceiling fan  
click 1st fan and click the remote control included

```
package org.test;
```

```

import java.awt.AWTException;
import java.awt.Robot;
import java.awt.event.KeyEvent;
import java.util.List;
import java.util.Set;

```

```

import org.openqa.selenium.Alert;
import org.openqa.selenium.By;
import org.openqa.selenium.JavascriptExecutor;
import org.openqa.selenium.Keys;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.chrome.ChromeOptions;
import org.openqa.selenium.firefox.FirefoxDriver;
import org.openqa.selenium.interactions.Actions;

public class Test {

    public static void main(String[] args) throws AWTException,
    InterruptedException {
        ChromeOptions ops = new ChromeOptions();
        ops.addArguments("--disable-notifications");
        System.setProperty("webdriver.chrome.driver",
        "C:\\\\Users\\\\navee\\\\eclipse-workspace\\\\SeleniumJan09\\\\Driver\\\\chromedriver.exe");
        WebDriver driver = new ChromeDriver(ops);

        driver.manage().window().maximize();
        driver.get("https://www.homedepot.com/");
        //to find out the window id
        String pri = driver.getWindowHandle();
        System.out.println(pri);
        WebElement src = driver.findElement(By.id("headerSearch"));
        src.sendKeys("ceiling fan",Keys.ENTER);
        System.out.println(driver.getWindowHandle());
        WebElement lnk1 = driver.findElement(By.xpath("//div[text()='Ceiling Fans']"));
        lnk1.click();
        Set<String> allwin = driver.getWindowHandles();
        for (String string : allwin) {
            if(!string.equals(pri)) {
                driver.switchTo().window(string);
            }
        }
        System.out.println(driver.getWindowHandle());
        WebElement txtPrice = driver.findElement(By.xpath("//span[contains(text(),'Mercer
52')]"));
        txtPrice.click();
    }
}

```

```

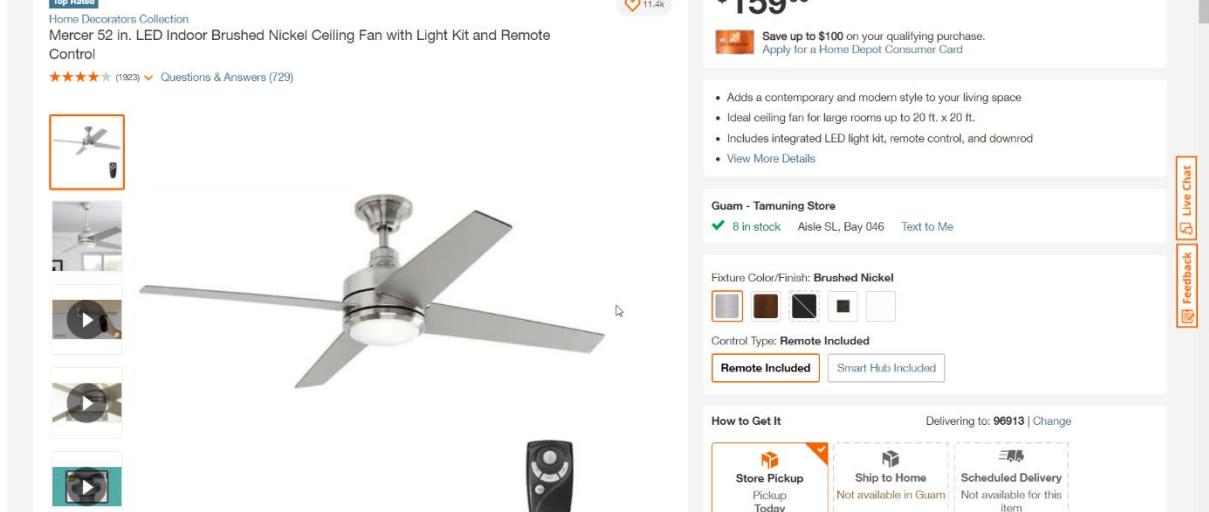
13 import org.openqa.selenium.WebDriver;
14 import org.openqa.selenium.WebElement;
15 import org.openqa.selenium.chrome.ChromeDriver;
16 import org.openqa.selenium.chrome.ChromeOptions;
17 import org.openqa.selenium.firefox.FirefoxDriver;
18 import org.openqa.selenium.interactions.Actions;
19
20 public class Test {
21
22     public static void main(String[] args) throws AWTException, InterruptedException {
23         ChromeOptions ops = new ChromeOptions();
24         ops.addArguments("--disable-notifications");
25         System.setProperty("webdriver.chrome.driver", "C:\\Users\\navee\\eclipse-workspace\\SeleniumJan09\\Driver\\chromedriver.exe");
26         WebDriver driver = new ChromeDriver(ops);
27
28         driver.manage().window().maximize();
29         driver.get("https://www.homedepot.com/");
30         //to find out the window id
31         String pri = driver.getWindowHandle();
32         System.out.println(pri);
33         WebElement src = driver.findElement(By.id("headerSearch"));
34         src.sendKeys("ceiling fan", Keys.ENTER);
35         System.out.println(driver.getWindowHandle());
36         WebElement lnk1 = driver.findElement(By.xpath("//div[text()='Ceiling Fans']"));
37         lnk1.click();
38         Set<String> allwin = driver.getWindowHandles();
39         for (String string : allwin) {
40             if(!string.equals(pri)) {
41                 driver.switchTo().window(string);
42             }
43         }
44         System.out.println(driver.getWindowHandle());
45         WebElement txtPrice = driver.findElement(By.xpath("//span[contains(text(),'Mercer 52')]"));
46         txtPrice.click();
47     }
48 }
49
50

```

Search Results for ceiling fan at 1 x Home Decorators Collection Mercer 52-in-LED-Indoor-Brushed-Nickel-Ceiling-Fan-with-Light-Kit-and-Remote-Control-54725/300654436

← → C homedepot.com/p/Home-Decorators-Collection-Mercer-52-in-LED-Indoor-Brushed-Nickel-Ceiling-Fan-with-Light-Kit-and-Remote-Control-54725/300654436

Chrome is being controlled by automated test software.



#### QUESTION 4

URL : <http://www.greentechnologys.com/python-training.html>

NOTE: Click Selenium Test Papers and click Selenium Day10Task  
Click Windows Handling and print 1 question

package org.test;

```

import java.awt.AWTException;
import java.awt.Robot;
import java.awt.event.KeyEvent;
import java.util.List;
import java.util.Set;

import org.openqa.selenium.Alert;
import org.openqa.selenium.By;
import org.openqa.selenium.JavascriptExecutor;
import org.openqa.selenium.Keys;
import org.openqa.selenium.WebDriver;

```

```

import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.chrome.ChromeOptions;
import org.openqa.selenium.firefox.FirefoxDriver;
import org.openqa.selenium.interactions.Actions;

public class Test {

    public static void main(String[] args) throws AWTException,
InterruptedException {
        ChromeOptions ops = new ChromeOptions();
        ops.addArguments("--disable-notifications");
        System.setProperty("webdriver.chrome.driver",
"C:\\\\Users\\\\navee\\\\eclipse-workspace\\\\SeleniumJan09\\\\Driver\\\\chromedriver.exe");
        WebDriver driver = new ChromeDriver(ops);

        driver.manage().window().maximize();
        driver.get("http://www.greenstechnologys.com/python-training.html");
        //to find out the window id
        //String pri = driver.getWindowHandle();
        //System.out.println(pri);
        WebElement src = driver.findElement(By.id("Python-Solutions-Architect-Training"));
        Actions a =new Actions(driver);
        a.doubleClick(src).perform();
        //src.click();
        //System.out.println(driver.getWindowHandle());
        WebElement lnk1 = driver.findElement(By.xpath("//h3[text()='Selenium Day 10 Task']"));
        lnk1.click();
        /*Set<String> allwin = driver.getWindowHandles();
        for (String string : allwin) {
            if(!string.equals(pri)) {
                driver.switchTo().window(string);
            }
        }
        System.out.println(driver.getWindowHandle());
        WebElement txtPrice = driver.findElement(By.xpath("//span[contains(text(),'Mercer 52')]"));
        txtPrice.click();*/
    }
}

```

---

```

package org.test;

import java.awt.AWTException;
import java.awt.Robot;
import java.awt.event.KeyEvent;
import java.sql.Driver;
import java.util.ArrayList;
import java.util.List;
import java.util.Set;

import org.openqa.selenium.Alert;
import org.openqa.selenium.By;
import org.openqa.selenium.JavascriptExecutor;
import org.openqa.selenium.Keys;
import org.openqa.selenium.WebDriver;

```

```

import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.chrome.ChromeOptions;
import org.openqa.selenium.firefox.FirefoxDriver;
import org.openqa.selenium.interactions.Action;
import org.openqa.selenium.interactions.Actions;
import org.openqa.selenium.support.ui.Select;

public class Test {    //flipkart not working
    public static void main(String[] args) throws InterruptedException,
AWTException {
        System.setProperty("webdriver.chrome.driver",
"C:\\\\Users\\\\navee\\\\eclipse-workspace\\\\SeleniumJan09\\\\Driver\\\\chromedriver.exe");
        WebDriver driver=new ChromeDriver();

        driver.get("http://www.greenstechnologys.com/python-training.html");

        WebElement txtSelenium=
driver.findElement(By.xpath("//h3[@class='panel-title'][24]"));
        txtSelenium.click();
        /*Actions a =new Actions(driver);
        //a.doubleClick(txtSelenium).perform();
        //a.contextClick(txtSelenium).perform();
        Thread.sleep(3000);
        //WebElement txtD10=
        driver.findElement(By.xpath("//h3[@class='panel-title'][34]"));
        //txtD10.click();
        Robot r =new Robot();
        for(int i=0;i<9;i++) {
            r.keyPress(KeyEvent.VK_DOWN);
            r.keyRelease(KeyEvent.VK_DOWN);
        }
        r.keyPress(KeyEvent.VK_ENTER);
        //r.keyRelease(KeyEvent.VK_ENTER);*/
        //WebElement txtD10 =
        driver.findElement(By.xpath("//h3[text()='Selenium Day 10 Task']"));
        //txtD10.click();
        Thread.sleep(3000);
        WebElement txtD10= driver.findElement(By.xpath("//h3[@class='panel-
title'][34]"));
        txtD10.click();
    }
}

```

#### QUESTION 5

---

URL : <http://www.greenstechnologys.com/>

NOTE: Mouse Over Course And click python  
Right Click Explore Curriculum and click open in new window

package org.test;

```

import java.awt.AWTException;
import java.awt.Robot;
import java.awt.event.KeyEvent;

```

```

import java.sql.Driver;
import java.util.ArrayList;
import java.util.List;
import java.util.Set;

import org.openqa.selenium.Alert;
import org.openqa.selenium.By;
import org.openqa.selenium.JavascriptExecutor;
import org.openqa.selenium.Keys;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.chrome.ChromeOptions;
import org.openqa.selenium.firefox.FirefoxDriver;
import org.openqa.selenium.interactions.Action;
import org.openqa.selenium.interactions.Actions;
import org.openqa.selenium.support.ui.Select;

public class Test {      //flipkart not working
    public static void main(String[] args) throws InterruptedException,
AWTException {
        System.setProperty("webdriver.chrome.driver",
"C:\\\\Users\\\\navee\\\\eclipse-workspace\\\\SeleniumJan09\\\\Driver\\\\chromedriver.exe");
        WebDriver driver=new ChromeDriver();

        driver.get("http://www.greenstechnologys.com/");
        Actions a =new Actions(driver);
        String pri = driver.getWindowHandle();
        System.out.println(pri);
        WebElement txtSelenium=
driver.findElement(By.xpath("//a[text()='COURSES']"));

        a.moveToElement(txtSelenium).perform();
        System.out.println(driver.getWindowHandle());
        WebElement txtD10=
driver.findElement(By.xpath("(//span[text()='Python'])[1]"));
        txtD10.click();
        Set<String> allwin = driver.getWindowHandles();
        System.out.println(allwin);
        List<String> l =new ArrayList<String>();
        l.addAll(allwin);
        for (int i = 0; i < l.size(); i++) {
            String string = l.get(0);
            driver.switchTo().window(string);
        }
        Thread.sleep(3000);
        WebElement txtExpo =
driver.findElement(By.xpath("(//button[text()='Explore Curriculum'])[2]"));
        //txtExpo.click();
        //Actions a =new Actions(driver);
        a.contextClick(txtExpo).perform();
        Robot r =new Robot();
        Thread.sleep(3000);
        for (int i = 0; i < 1; i++) {
            r.keyPress(KeyEvent.VK_DOWN);
            r.keyRelease(KeyEvent.VK_DOWN);
        }
}

```

```

        r.keyPress(KeyEvent.VK_ENTER);
        r.keyRelease(KeyEvent.VK_ENTER);
    }
}

```

QUESTION 8

URL : <https://www.snapdeal.com/>

NOTE: Search hand sanitizer and click any hand sanitizer  
add it to cart

```
package org.test;
```

```

import java.awt.AWTException;
import java.awt.Robot;
import java.awt.event.KeyEvent;
import java.util.List;
import java.util.Set;

import org.openqa.selenium.Alert;
import org.openqa.selenium.By;
import org.openqa.selenium.JavascriptExecutor;
import org.openqa.selenium.Keys;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.chrome.ChromeOptions;
import org.openqa.selenium.firefox.FirefoxDriver;
import org.openqa.selenium.interactions.Actions;

public class Test {

    public static void main(String[] args) throws AWTException,
    InterruptedException {
        ChromeOptions ops = new ChromeOptions();
        ops.addArguments("--disable-notifications");
        System.setProperty("webdriver.chrome.driver",
        "C:\\\\Users\\\\navee\\\\eclipse-workspace\\\\SeleniumJan09\\\\Driver\\\\chromedriver.exe");
        WebDriver driver = new ChromeDriver(ops);

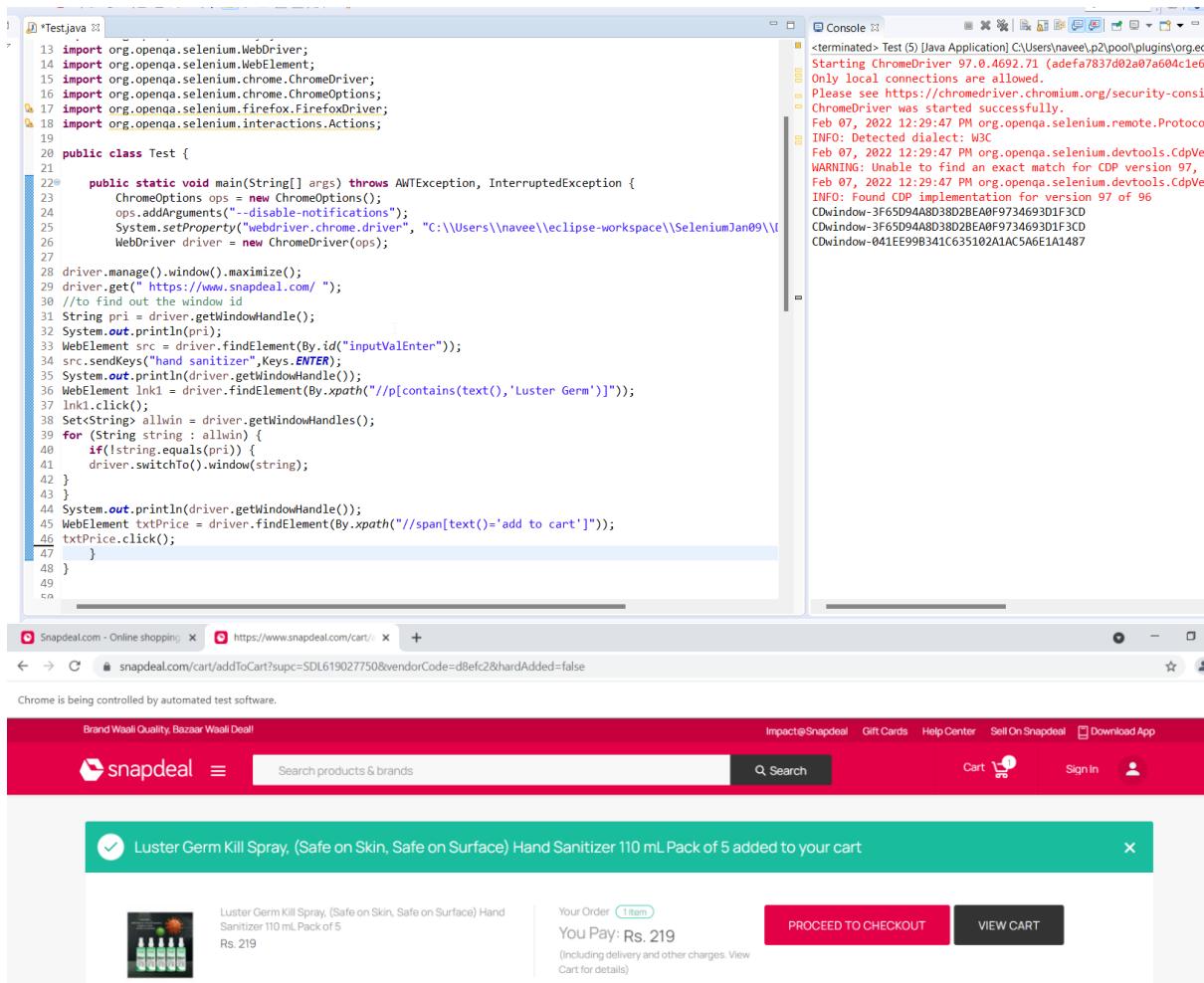
        driver.manage().window().maximize();
        driver.get(" https://www.snapdeal.com/ ");
        //to find out the window id
        String pri = driver.getWindowHandle();
        System.out.println(pri);
        WebElement src = driver.findElement(By.id("inputValEnter"));
        src.sendKeys("hand sanitizer",Keys.ENTER);
        System.out.println(driver.getWindowHandle());
        WebElement lnk1 = driver.findElement(By.xpath("//p[contains(text(),'Luster
        Germ')]"));
        lnk1.click();
        Set<String> allwin = driver.getWindowHandles();
        for (String string : allwin) {
            if(!string.equals(pri)) {
                driver.switchTo().window(string);
        }
    }
}

```

```

}
System.out.println(driver.getWindowHandle());
WebElement txtPrice = driver.findElement(By.xpath("//span[text()='add to
cart']"));
txtPrice.click();
}
}

```



QUESTION 6  
-----  
URL : <http://greenstech.in/selenium-course-content.html>

NOTE: Click JUnit in Framework Test Paper  
print 1st Question in practical

```

package org.test;

import java.awt.Desktop.Action;
import java.util.List;
import java.util.Set;

import org.openqa.selenium.Alert;
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.chrome.ChromeOptions;

```

```
import org.openqa.selenium.firefox.FirefoxDriver;
import org.openqa.selenium.interactions.Actions;

public class FlipkartProject {
    public static void main(String[] args) throws InterruptedException {
        System.setProperty("webdriver.chrome.driver","C:\\\\Users\\\\navee\\\\eclipse-workspace\\\\SeleniumDailyPractice\\\\driver\\\\chromedriver.exe");
        WebDriver driver =new ChromeDriver();
        driver.manage().window().maximize();
        String pri = driver.getWindowHandle();
        System.out.println(pri);
        driver.get("http://greenstech.in/selenium-course-content.html");
        // to click the frame work
        System.out.println(driver.getWindowHandle());
        WebElement src = driver.findElement(By.xpath("//h2[@class='mb-0'][6]"));
        src.click();
        Thread.sleep(4000);
        System.out.println(driver.getWindowHandle());
        WebElement textJunit = driver.findElement(By.xpath("//a[text()='JUNIT']"));
        textJunit.click();
        Set<String> allwin = driver.getWindowHandles();
        for (String string : allwin) {
            //System.out.println(string);
            if(!string.equals(pri)) {
                driver.switchTo().window(string);
            }
        }
        WebElement txtQuestion =
        driver.findElement(By.xpath("//pre[contains(text(),'QUESTION')]"));
        String text = txtQuestion.getText();
        System.out.println(text);

    }
}
```

```

1 package org.test;
2
3 import java.awt.Desktop.Action;
4
5 public class FlipkartProject {
6     public static void main(String[] args) throws InterruptedException {
7         System.setProperty("webdriver.chrome.driver", "C:\\Users\\navee\\eclipse-workspace\\SeleniumDailyPractice\\driver");
8         WebDriver driver = new ChromeDriver();
9         driver.manage().window().maximize();
10        String pri = driver.getWindowHandle();
11        System.out.println(pri);
12        driver.get("http://greenstech.in/selenium-course-content.html");
13        // to click the frame work
14        System.out.println(driver.getWindowHandle());
15        WebElement src = driver.findElement(By.xpath("//h2[@class='mb-0'][6]"));
16        src.click();
17        Thread.sleep(4000);
18        System.out.println(driver.getWindowHandle());
19        WebElement textJunit = driver.findElement(By.xpath("//a[text()=' JUNIT']"));
20        textJunit.click();
21        Set<String> allwin = driver.getWindowHandles();
22        for (String string : allwin) {
23            System.out.println(string);
24            if(!string.equals(pri)) {
25                driver.switchTo().window(string);
26            }
27        }
28    }
29
30    //WebElement txtQuestion = driver.findElement(By.xpath("//pre[contains(text(),'QUESTION')]"));
31    //String text = txtQuestion.getText();
32    //System.out.println(text);
33
34 }
35
36
37
38 }
39
40
41
42
43
44
45

```

Selenium Training in Chennai | Se x traininginchennai.in/JUNIT.txt +

← → C Not secure | traininginchennai.in/JUNIT.txt

Chrome is being controlled by automated test software.

```

JUNIT
-----
QUESTIONS(Theroy)
-----
1. What is JUnit?
2. What is Unit Testing?
3. what are all the annotations available in JUnit?
4. Explain what is ignore test in JUnit?
5. Explain the test execution order?
6. what is the difference between @BeforeClass and @Before
7. what is the difference between @AfterClass and @After
8. can we able to use main method in JUnit?
9. Is it possible to generate report using JUnit?
10. what is the use of annotations?
11. What is the use of @Test annotation?
12. What does Assert class?
13. what is the difference between Assert and verify?
14. What are all the methods available in assert class?
15. Is it possible to group the test cases?
16. Is it possible to re-run the failed test cases in JUnit? if yes, How will you do?
17. Can we change return type of JUnit test method from void to some other type?
18. How will you handle exception in JUnit?
19. How @Test annotation is used for testing exceptions?
20. Which Is the latest version of JUnit?
21. How will you set the timeout in test cases?
22. What are different assertions supported by JUnit?
23. How to create and run JUnit test suite for selenium WebDriver?
24. For what purpose, assertEquals and assertFalse assertions are used?
25. Can you give me example of JUnit assertEquals assertion?

QUESTIONS(Practical)
-----
QUESTION 1
-----
URL : https://www.facebook.com/

NOTE: Enter the username and password and verify whether the input data is correct or not by using junit framework.

QUESTION 2
-----
URL : https://www.redbus.in/

NOTE: Click signin and enter the email and password and verify whether the input data is correct or not by using junit framework.

QUESTION 3

```

```

1 package org.test;
2
3 import java.awt.Desktop.Action;
4
5 public class FlipkartProject {
6     public static void main(String[] args) throws InterruptedException {
7         System.setProperty("webdriver.chrome.driver", "C:\\Users\\navee\\eclipse-workspace\\SeleniumDailyPractice\\driver");
8         WebDriver driver = new ChromeDriver();
9         driver.manage().window().maximize();
10        String pri = driver.getWindowHandle();
11        System.out.println(pri);
12        driver.get("http://greentech.in/selenium-course-content.html");
13        // to click the frame work
14        System.out.println(driver.getWindowHandle());
15        WebElement src = driver.findElement(By.xpath("//h2[@class='mb-0'][6]"));
16        src.click();
17        Thread.sleep(4000);
18        System.out.println(driver.getWindowHandle());
19        WebElement txtJUnit = driver.findElement(By.xpath("//a[text()=' JUNIT ']"));
20        txtJUnit.click();
21        Set<String> allwin = driver.getWindowHandles();
22        for (String string : allwin) {
23            if(!string.equals(pri)) {
24                driver.switchTo().window(string);
25            }
26        }
27
28        WebElement txtQuestion = driver.findElement(By.xpath("//pre[contains(text(),'QUESTION')]"));
29        String text = txtQuestion.getText();
30        System.out.println(text);
31    }
32
33 }
34
35 }
36
37 }
38
39 }
40
41 }
42
43
44 }
45
46 }
47
48 }

```

INFO: Found CDP implementation for version 98 of 96

CWindow-D902B6C74ADEED3B52E7299B2B0B3F6  
CWindow-D902B6C74ADEED3B52E7299B2B0B3F6  
CWindow-D902B6C74ADEED3B52E7299B2B0B3F6  
JUNIT  
-----  
QUESTIONS(Theory)  
-----  
1. What is JUnit?  
2. What is Unit Testing?  
3. what are all the annotations available in JUnit?  
4. Explain what is ignore test in JUnit?  
5. Explain the test execution order?  
6. what is the difference between @BeforeClass and @  
7. what is the difference between @AfterClass and @  
8. can we able to use main method in JUnit?  
9. Is it possible to generate report using JUnit?  
10. what is the use of annotations?  
11. What is the use of @test annotation?  
12. What does Assert class?  
13. what is the difference between Assert and verify?  
14. What are all the methods available in assert cl  
15. Is it possible to group the test cases?  
16. Is it possible to re-run the failed test cases?  
17. Can we change return type of JUnit test method  
18. How will you handle exception in JUnit?  
19. How @Test annotation is used for testing except  
20. Which Is the latest version of JUnit.  
21. How will you set the timeout in test cases  
22. What are different assertions supported by JUnit  
23. How to create and run JUnit test suite for sele  
24. For what purpose, assertTrue and assertFalse as  
25. Can you give me example of JUnit assertEquals a

QUESTIONS(Practical)  
-----  
QUESTION 1  
-----  
URL : <https://www.facebook.com/>

NOTE: Enter the username and password and verify wh

### QUESTION 9

URL : <https://www.flipkart.com/>

NOTE: Search redmi phone and click any phone  
print price amount

```

package org.test;

import java.awt.AWTException;
import java.awt.Robot;
import java.awt.event.KeyEvent;
import java.util.ArrayList;
import java.util.List;
import java.util.Set;

import org.openqa.selenium.Alert;
import org.openqa.selenium.By;
import org.openqa.selenium.JavascriptExecutor;
import org.openqa.selenium.Keys;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.chrome.ChromeOptions;
import org.openqa.selenium.firefox.FirefoxDriver;
import org.openqa.selenium.interactions.Actions;

public class Test {
    public static void main(String[] args) throws InterruptedException {
        System.setProperty("webdriver.chrome.driver",
"C:\\\\Users\\\\navee\\\\eclipse-workspace\\\\SeleniumJan09\\\\Driver\\\\chromedriver.exe");
        WebDriver driver=new ChromeDriver();
        driver.get("https://www.flipkart.com/");
        String pri= driver.getWindowHandle();
        System.out.println(pri);
    }
}

```

```

        WebElement txtRemove=
driver.findElement(By.xpath("//button[@class=' _2KpZ6l _2doB4z ']"));
txtRemove.click();

WebElement txtSearch= driver.findElement(By.name("q"));
txtSearch.sendKeys("redmi phone",Keys.ENTER);
System.out.println(driver.getWindowHandle());

WebElement txtPhone=
driver.findElement(By.xpath("(//div[@class=' _4rR01T '])[1]"));
txtPhone.click();
Set<String> allwin = driver.getWindowHandles();
for (String string : allwin) {
    if(!string.equals(pri)) {
        driver.switchTo().window(string);
    }
}
WebElement txtAdd=
driver.findElement(By.xpath("//button[@class=' _2KpZ6l _2U9uOA _3v1-ww ']"));
txtAdd.click();
}
}

```

QUESTION 11

URL : <https://www.flipkart.com/>

NOTE: Search hp laptop and click 1st hp laptop  
print cost of laptop

```

package org.test;

import java.awt.AWTException;
import java.awt.Robot;
import java.awt.event.KeyEvent;
import java.sql.Driver;
import java.util.ArrayList;
import java.util.List;
import java.util.Set;

import org.openqa.selenium.Alert;
import org.openqa.selenium.By;
import org.openqa.selenium.JavascriptExecutor;
import org.openqa.selenium.Keys;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.chrome.ChromeOptions;
import org.openqa.selenium.firefox.FirefoxDriver;
import org.openqa.selenium.interactions.Action;
import org.openqa.selenium.interactions.Actions;
import org.openqa.selenium.support.ui.Select;

```

```

public class Test {      //flipkart not working
    public static void main(String[] args) throws InterruptedException {
        System.setProperty("webdriver.chrome.driver",
"C:\\\\Users\\\\navee\\\\eclipse-workspace\\\\SeleniumJan09\\\\Driver\\\\chromedriver.exe");
        WebDriver driver=new ChromeDriver();
        driver.get("http://flipkart.com/");
        Actions actions =new Actions(driver);
        Action build = actions.sendKeys(Keys.ESCAPE).build();
        build.perform();
        String pri = driver.getWindowHandle();
        WebElement txtSearch= driver.findElement(By.name("q"));
        txtSearch.sendKeys("hp laptop",Keys.ENTER);

        System.out.println(driver.getWindowHandle());
        WebElement txt=
driver.findElement(By.xpath("//div[@class=' _4rR01T'][1]"));
        txt.click();
        Set<String> allwin = driver.getWindowHandles();
        for (String string : allwin) {
            if(!string.equals(pri)) {
                driver.switchTo().window(string);
            }
        }
        System.out.println(driver.getWindowHandle());
        WebElement txtAdd=
driver.findElement(By.xpath("//button[@class=' _2KpZ6l _2U9uOA _3v1-ww']"));
        txtAdd.click();

    }
}

```

QUESTION 10

URL : <https://www.flipkart.com/>

NOTE: Search mask and click any mask  
Enter delivery pincode

```

package org.test;

import java.awt.AWTException;
import java.awt.Robot;
import java.awt.event.KeyEvent;
import java.sql.Driver;
import java.util.ArrayList;
import java.util.List;
import java.util.Set;

import org.openqa.selenium.Alert;
import org.openqa.selenium.By;
import org.openqa.selenium.JavascriptExecutor;
import org.openqa.selenium.Keys;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.chrome.ChromeOptions;
import org.openqa.selenium.firefox.FirefoxDriver;
import org.openqa.selenium.interactions.Action;

```

```

import org.openqa.selenium.interactions.Actions;
import org.openqa.selenium.support.ui.Select;

public class Test { //flipkart not working
    public static void main(String[] args) throws InterruptedException {
        System.setProperty("webdriver.chrome.driver",
        "C:\\\\Users\\\\navee\\\\eclipse-workspace\\\\SeleniumJan09\\\\Driver\\\\chromedriver.exe");
        WebDriver driver=new ChromeDriver();

        driver.get("http://flipkart.com/");
        Actions actions =new Actions(driver);
        Action build = actions.sendKeys(Keys.ESCAPE).build();
        build.perform();
        String pri = driver.getWindowHandle();
        WebElement txtSearch= driver.findElement(By.name("q"));
        txtSearch.sendKeys("mask",Keys.ENTER);

        System.out.println(driver.getWindowHandle());
        WebElement txt=
        driver.findElement(By.xpath("//a[@class='s1Q9rs'][1]"));
        txt.click();
        Set<String> allwin = driver.getWindowHandles();
        for (String string : allwin) {
            if(!string.equals(pri)) {
                driver.switchTo().window(string);
            }
        }
        //System.out.println(driver.getWindowHandle());
        //WebElement txtAdd=
        driver.findElement(By.xpath("//button[@class='_2KpZ6l _2U9uOA _3v1-ww']"));
        //txtAdd.click();

    }
}

```

#### QUESTION 7

URL : <http://greenstech.in/selenium-course-content.html>

NOTE: Click Control Statement in Core Java Test Paper  
print 1st Question in Theory

```
package org.test;
```

```

import java.awt.Desktop.Action;
import java.util.List;
import java.util.Set;

import org.openqa.selenium.Alert;
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.chrome.ChromeOptions;
import org.openqa.selenium.firefox.FirefoxDriver;
import org.openqa.selenium.interactions.Actions;

```

```
public class FlipkartProject {
```

```

public static void main(String[] args) throws InterruptedException {

    System.setProperty("webdriver.chrome.driver","C:\\\\Users\\\\navee\\\\eclipse-
workspace\\\\SeleniumDailyPractice\\\\driver\\\\chromedriver.exe");
    WebDriver driver =new ChromeDriver();
    driver.manage().window().maximize();
    String pri = driver.getWindowHandle();
    System.out.println(pri);
    driver.get("http://greenstech.in/selenium-course-content.html");
    // to click the frame work
    System.out.println(driver.getWindowHandle());
    WebElement src = driver.findElement(By.xpath("//h2[@class='mb-
0 '])[4]"));
    src.click();
    Thread.sleep(4000);
    System.out.println(driver.getWindowHandle());
    WebElement textControlStat =
driver.findElement(By.xpath("//a[@target='_blank'][162]"));

    textControlStat.click();
    Set<String> allwin = driver.getWindowHandles();
    for (String string : allwin) {
        //System.out.println(string);
        if(!string.equals(pri)) {
            driver.switchTo().window(string);
        }
    }

    WebElement txtQuestion =
driver.findElement(By.xpath("//pre[contains(text(),'QUESTION')]"));
    String text = txtQuestion.getText();
    System.out.println(text);

}
=====

```

The screenshot shows the Eclipse IDE interface with the following components:

- Left Panel (Code Editor):** Displays the Java code for `FlipkartProject.java`. The code initializes a WebDriver, navigates to a URL, handles windows, and prints questions from a web page using Selenium and Java's `System.out.println`.
- Right Panel (Console):** Shows the terminal output for the running application. It includes session IDs for windows, a section titled "DAY4:" with control statements, and a "QUESTIONS(Theory)" section with 8 numbered questions.
- Bottom Right Panel (Output):** Displays the Java code for a `Hello` class, which contains a `main` method that prints numbers from 1 to 100, skipping the number 5.

```

4 import java.util.List;
5 import java.util.Set;
6
7 import org.openqa.selenium.Alert;
8 import org.openqa.selenium.By;
9 import org.openqa.selenium.WebDriver;
10 import org.openqa.selenium.WebElement;
11 import org.openqa.selenium.chrome.ChromeDriver;
12 import org.openqa.selenium.chrome.ChromeOptions;
13 import org.openqa.selenium.firefox.FirefoxDriver;
14 import org.openqa.selenium.interactions.Actions;
15
16 public class FlipkartProject {
17     public static void main(String[] args) throws InterruptedException {
18
19         System.setProperty("webdriver.chrome.driver", "C:\\Users\\navee\\eclipse-workspace\\SeleniumDailyPractice\\");
20         WebDriver driver = new ChromeDriver();
21         driver.manage().window().maximize();
22         String pri = driver.getWindowHandle();
23         System.out.println(pri);
24         driver.get("http://greentech.in/selenium-course-content.html");
25         // to click the frame work
26         System.out.println(driver.getWindowHandle());
27         WebElement src = driver.findElement(By.xpath("//h2[@class='mb-0'][4]"));
28         src.click();
29         Thread.sleep(4000);
30         System.out.println(driver.getWindowHandle());
31         WebElement textControlStat = driver.findElement(By.xpath("//a[@target='_blank'][162]"));
32
33         textControlStat.click();
34         Set<String> allwin = driver.getWindowHandles();
35         for (String string : allwin) {
36             //System.out.println(string);
37             if(!string.equals(pri)) {
38                 driver.switchTo().window(string);
39             }
40         }
41         WebElement txtQuestion = driver.findElement(By.xpath("//pre[contains(text(),'QUESTION')]"));
42         String text = txtQuestion.getText();
43         System.out.println(text);
44     }
45 }

```

**Console Output:**

```

<terminated> FlipkartProject [Java Application] C:\Users\navee\p2\pool\CDWindow-BE3702003CF49CB4EDDB867D0E51B95CB
CDWindow-BE3702003CF49CB4EDDB867D0E51B95CB
CDWindow-BE3702003CF49CB4EDDB867D0E51B95CB
Day4_ControlStatements

DAY4:
-----
1.if/else if
2.Loopings(for,while,do-while)
3.Switch case
4.break/continue

QUESTIONS(Theory)
-----
1.What is difference between break and continue?
2.Whether we can use continue statement in switch?
3.What is mean by control statements and types?
4.What is mean by for loop?
5.Can you explain about for loop execution process?
6.What is difference between while and do-while?
7.What is the use of default keyword in switch?
8.Difference between for and while loop?

QUESTIONS(Find the output)
-----
QUESTION 1:
-----
package org.test;

public class Hello {
    public static void main(String[] args) {
        for (int i = 1; i <= 100; i++) {
            if (i == 5) {
            }
            System.out.println(i);
        }
    }
}

```

Selenium Training in Chennai | Se X traininginchennai.in/Day4\_Contrc X +  
← → C Not secure | traininginchennai.in/Day4\_ControlStatements.txt

Chrome is being controlled by automated test software.

## Day4\_ControlStatements

DAY4:

- 1.if/else if  
2.Loopings(for,while,do-while)  
3.Switch case  
4.break/continue

## QUESTIONS(Theory)

- 1.What is difference between break and continue?  
2.Whether we can use continue statement in switch?  
3.What is mean by control statements and types?  
4.What is mean by for loop?  
5.Can you explain about for loop execution process?  
6.What is difference between while and do-while?  
7.What is the use of default keyword in switch?  
8.Difference between for and while loop?

## QUESTIONS(Find the output)

-----  
QUESTION 1:

```
package org.test;

public class Hello {
    public static void main(String[] args) {
        for (int i = 1; i <= 100; i++) {
            if (i == 5) {

            }
            System.out.println(i);
        }
    }
}
```

QUESTION 2:

```
-----  
package org.test;
```

---

QUESTION 12

-----  
URL : <http://greenstech.in/selenium-course-content.html>

NOTE: Click WindowsHandling in selenium Java Test Paper  
print question 13 in practical

```
package org.test;

import java.awt.Desktop.Action;
import java.util.List;
import java.util.Set;

import org.openqa.selenium.Alert;
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.chrome.ChromeOptions;
import org.openqa.selenium.firefox.FirefoxDriver;
import org.openqa.selenium.interactions.Actions;

public class FlipkartProject {
    public static void main(String[] args) throws InterruptedException {

        System.setProperty("webdriver.chrome.driver","C:\\\\Users\\\\navee\\\\eclipse-workspace\\\\SeleniumDailyPractice\\\\driver\\\\chromedriver.exe");
        WebDriver driver =new ChromeDriver();
        driver.manage().window().maximize();
        String pri = driver.getWindowHandle();
        System.out.println(pri);
        driver.get("http://greenstech.in/selenium-course-content.html");
        // to click the frame work
        System.out.println(driver.getWindowHandle());
        WebElement src = driver.findElement(By.xpath("//h2[@class='mb-0 '])[5]"));
        src.click();
        Thread.sleep(4000);
        System.out.println(driver.getWindowHandle());
        WebElement textControlStat =
driver.findElement(By.xpath("//a[@target='_blank'][180]"));

        textControlStat.click();
        Set<String> allwin = driver.getWindowHandles();
        for (String string : allwin) {
            //System.out.println(string);
            if(!string.equals(pri)) {
                driver.switchTo().window(string);
            }
        }
        WebElement txtQuestion =
driver.findElement(By.xpath("//pre[contains(text(),'QUESTION')]"));
        String text = txtQuestion.getText();
        System.out.println(text);
    }
}
```

---



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Chrome is being controlled by automated test software.

## SELENIUM

-----

### DAY10

-----

#### Windows Handling

##### QUESTIONS(Theroy)

-----

- 1.What is the purpose of windows Handling?
- 2.Write a code to perform windows Handling?
- 3.Which method is used to get parent window?
- 4.Which method is used to get child windows?
- 5.Write a code to switch from parent window to child window?
- 6.In which order the windows order will arrange?
- 7.Write a code to return to your parent window?
- 8.What is the return type of getWindowHandles()?
- 9.What is the return type of getWindowHandle()?
- 10.Write a code to switch to 8 th child window?
- 11.Write a code to switch to 8 th child window without using any for loop?
- 12.Write a code to switch multiple windows?

##### QUESTIONS(Practical)

-----

###### QUESTION 1

-----

URL : <https://www.amazon.com/>

NOTE: Search iphones X and right click 1st phone and give open in new window  
print cost of product

###### QUESTION 2

-----

URL : <https://www.snapdeal.com/>

NOTE: Search iphones 7 and click 1st phone  
add it to cart.  
print the you pay cost displayed.

###### QUESTION 3

-----

URL : <https://www.homedepot.com/>

NOTE: Search ceiling fan  
click 1st fan and click the remote control included

The screenshot shows the Eclipse IDE interface. On the left is the code editor with a file named `FlipkartProject.java`. The code implements a `FlipkartProject` class with a `main` method that navigates to a URL, finds an element, and performs a click operation. On the right is the `Console` tab, which displays the output of the Java application. It includes informational messages about the WebDriver implementation and several questions related to window handling.

```

4 import java.util.List;
5 import java.util.Set;
6
7 import org.openqa.selenium.Alert;
8 import org.openqa.selenium.By;
9 import org.openqa.selenium.WebDriver;
10 import org.openqa.selenium.WebElement;
11 import org.openqa.selenium.chrome.ChromeDriver;
12 import org.openqa.selenium.chrome.ChromeOptions;
13 import org.openqa.selenium.firefox.FirefoxDriver;
14 import org.openqa.selenium.interactions.Actions;
15
16 public class FlipkartProject {
17     public static void main(String[] args) throws InterruptedException {
18
19         System.setProperty("webdriver.chrome.driver", "C:\\\\Users\\\\navee\\\\eclipse-workspace\\\\SeleniumDailyPractice\\\\driver\\\\chromedriver.exe");
20         WebDriver driver = new ChromeDriver();
21         driver.manage().window().maximize();
22         String pri = driver.getWindowHandle();
23         System.out.println(pri);
24         driver.get("http://greenstech.in/selenium-course-content.html");
25         // to click the frame work
26         System.out.println(driver.getWindowHandle());
27         WebElement src = driver.findElement(By.xpath("//h2[@class='mb-0'][5]"));
28         src.click();
29         Thread.sleep(4000);
30         System.out.println(driver.getWindowHandle());
31         WebElement textControlStat = driver.findElement(By.xpath("//a[@target='_blank'][180]"));
32
33         textControlStat.click();
34         Set<String> allwin = driver.getWindowHandles();
35         for (String string : allwin) {
36             //System.out.println(string);
37             if(string.equals(pri)) {
38                 driver.switchTo().window(string);
39             }
40         }
41         WebElement txtQuestion = driver.findElement(By.xpath("//pre[contains(text(),'QUESTION')]"));
42         String text = txtQuestion.getText();
43         System.out.println(text);
44     }
45 }

```

**QUESTION 14**

URL : <http://greenstech.in/selenium-course-content.html>

NOTE: Click Testing in Framework Test Paper  
print 4th Question in practical

INFO: Found CDP implementation for version 98 of 96

CDwindow-0079AD05B731D4C64ADDCA9A0D849D7E

CDwindow-0079AD05B731D4C64ADDCA9A0D849D7E

SELENIUM

-----

DAY10

-----

Windows Handling

-----

QUESTIONS(Theroy)

-----

- What is the purpose of windows Handling?
- Write a code to perform windows Handling?
- Which method is used to get parent window?
- Which method is used to get child windows?
- Write a code to switch from parent window to child
- In which order the windows order will arrange?
- Write a code to return to your parent window?
- What is the return type of getWindowHandles()?
- What is the return type of getWindowHandle()?
- Write a code to switch to 8 th child window?
- Write a code to switch to 8 th child window with multiple windows?
- Write a code to switch to 8 th child window with multiple windows?

QUESTIONS(Practical)

-----

QUESTION 1

-----

URL : <https://www.amazon.com>

NOTE: Search iphones X and right click 1st phone and print cost of product

QUESTION 2

-----

URL : <https://www.snapdeal.com>

NOTE: Search iphones 7 and click 1st phone add it to cart.  
print the you pay cost displayed.

```

package org.test;

import java.awt.Desktop.Action;
import java.util.List;
import java.util.Set;

import org.openqa.selenium.Alert;
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.chrome.ChromeOptions;
import org.openqa.selenium.firefox.FirefoxDriver;
import org.openqa.selenium.interactions.Actions;

public class FlipkartProject {
    public static void main(String[] args) throws InterruptedException {

        System.setProperty("webdriver.chrome.driver", "C:\\\\Users\\\\navee\\\\eclipse-workspace\\\\SeleniumDailyPractice\\\\driver\\\\chromedriver.exe");
        WebDriver driver = new ChromeDriver();
        driver.manage().window().maximize();
        String pri = driver.getWindowHandle();
        System.out.println(pri);
        driver.get("http://greenstech.in/selenium-course-content.html");
        // to click the frame work
    }
}

```

```
System.out.println(driver.getWindowHandle());
WebElement src = driver.findElement(By.xpath("//h2[@class='mb-0'][6]"));
src.click();
Thread.sleep(4000);
System.out.println(driver.getWindowHandle());
WebElement textControlStat =
driver.findElement(By.xpath("//a[@target='_blank'][184]"));

textControlStat.click();
Set<String> allwin = driver.getWindowHandles();
for (String string : allwin) {
//System.out.println(string);
if(!string.equals(pri)) {
    driver.switchTo().window(string);
}
}
WebElement txtQuestion =
driver.findElement(By.xpath("//pre[contains(text(),'QUESTION')]"));
String text = txtQuestion.getText();
System.out.println(text);
}
```

---

Selenium Training in Chennai | Se x traininginchennai.in/JUNIT.txt x +

Not secure | traininginchennai.in/JUNIT.txt

Chrome is being controlled by automated test software.

```

JUNIT
-----
QUESTIONS(Theroy)
-----
1. What is JUnit?
2. What is Unit Testing?
3. what are all the annotations available in JUnit?
4. Explain what is ignore test in JUnit?
5. Explain the test execution order?
6. what is the difference between @BeforeClass and @Before
7. what is the difference between @AfterClass and @After
8. can we able to use main method in JUnit?
9. Is it possible to generate report using JUnit?
10. what is the use of annotations?
11. What is the use of @Test annotation?
12. What does Assert class?
13. what is the difference between Assert and verify?
14. What are all the methods available in assert class?
15. Is it possible to group the test cases?
16. Is it possible to re-run the failed test cases in JUnit? if yes, How will you do?
17. Can we change return type of JUnit test method from void to some other type?
18. How will you handle exception in JUnit?
19. How @Test annotation is used for testing exceptions?
20. Which Is the latest version of JUnit.
21. How will you set the timeout in test cases
22. What are different assertions supported by JUnit?
23. How to create and run JUnit test suite for selenium WebDriver?
24. For what purpose, assertTrue and assertFalse assertions are used?
25. Can you give me example of JUnit assertEquals assertion?

QUESTIONS(Practical)
-----
QUESTION 1
-----
URL : https://www.facebook.com/

NOTE: Enter the username and password and verify whether the input data is correct or not by using junit framework.

QUESTION 2
-----
URL : https://www.redbus.in/

NOTE: Click signin and enter the email and password and verify whether the input data is correct or not by using junit framework.

QUESTION 3
-----


```

1 FlipkartProject.java x
2 import java.util.*;
3 
4 import org.openqa.selenium.Alert;
5 import org.openqa.selenium.By;
6 import org.openqa.selenium.WebDriver;
7 import org.openqa.selenium.WebElement;
8 import org.openqa.selenium.chrome.ChromeDriver;
9 import org.openqa.selenium.chrome.ChromeOptions;
10 import org.openqa.selenium.firefox.FirefoxDriver;
11 import org.openqa.selenium.interactions.Actions;
12 
13 public class FlipkartProject {
14     public static void main(String[] args) throws InterruptedException {
15         System.setProperty("webdriver.chrome.driver", "C:\\Users\\navee\\eclipse-workspace\\SeleniumDailyPractice\\");
16         WebDriver driver = new ChromeDriver();
17         driver.manage().window().maximize();
18         String pri = driver.getWindowHandle();
19         System.out.println(pri);
20         driver.get("http://greenstech.in/selenium-course-content.html");
21         // to click the frame work
22         System.out.println(driver.getWindowHandle());
23         WebElement src = driver.findElement(By.xpath("//h2[@class='mb-0'][6]"));
24         src.click();
25         Thread.sleep(4000);
26         System.out.println(driver.getWindowHandle());
27         WebElement textControlStat = driver.findElement(By.xpath("//a[@target='_blank'][184]"));
28         textControlStat.click();
29         Set<String> allwin = driver.getWindowHandles();
30         for (String string : allwin) {
31             //System.out.println(string);
32             if(!string.equals(pri)) {
33                 driver.switchTo().window(string);
34             }
35         }
36         WebElement txtQuestion = driver.findElement(By.xpath("//pre[contains(text(),'QUESTION')]"));
37         String text = txtQuestion.getText();
38         System.out.println(text);
39     }
40 }
41 
```



<terminated> FlipkartProject [Java Application] C:\Users\navee\p2\poc  

INFO: You're cool implementation for version 3.0 v1.90  

CDwindow-4B8C000F50F9FF242468FC7E88677C20  

CDwindow-4B8C000F50F9FF242468FC7E88677C20  

CDwindow-4B8C000F50F9FF242468FC7E88677C20  

JUNIT  

-----  

QUESTIONS(Theroy)  

-----
1. What is JUnit?  

2. What is Unit Testing?  

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12. What does Assert class?  

13. what is the difference between Assert and verify?  

14. What are all the methods available in assert class?  

15. Is it possible to group the test cases?  

16. Is it possible to re-run the failed test cases?  

17. Can we change return type of JUnit test method?  

18. How will you handle exception in JUnit?  

19. How @Test annotation is used for testing exceptions?  

20. Which Is the latest version of JUnit.  

21. How will you set the timeout in test cases?  

22. What are different assertions supported by JUnit?  

23. How to create and run JUnit test suite for selenium WebDriver?  

24. For what purpose, assertTrue and assertFalse assertions are used?  

25. Can you give me example of JUnit assertEquals assertion?



QUESTIONS(Practical)  

-----
QUESTION 1  

-----
URL : https://www.facebook.com/  

NOTE: Enter the username and password and verify wh


```

Name:A.Naveen

Batch Time:8pm(selenium class-online)

Date:02-02-2022

DAY12:

-----

JavaScript

QUESTION 1

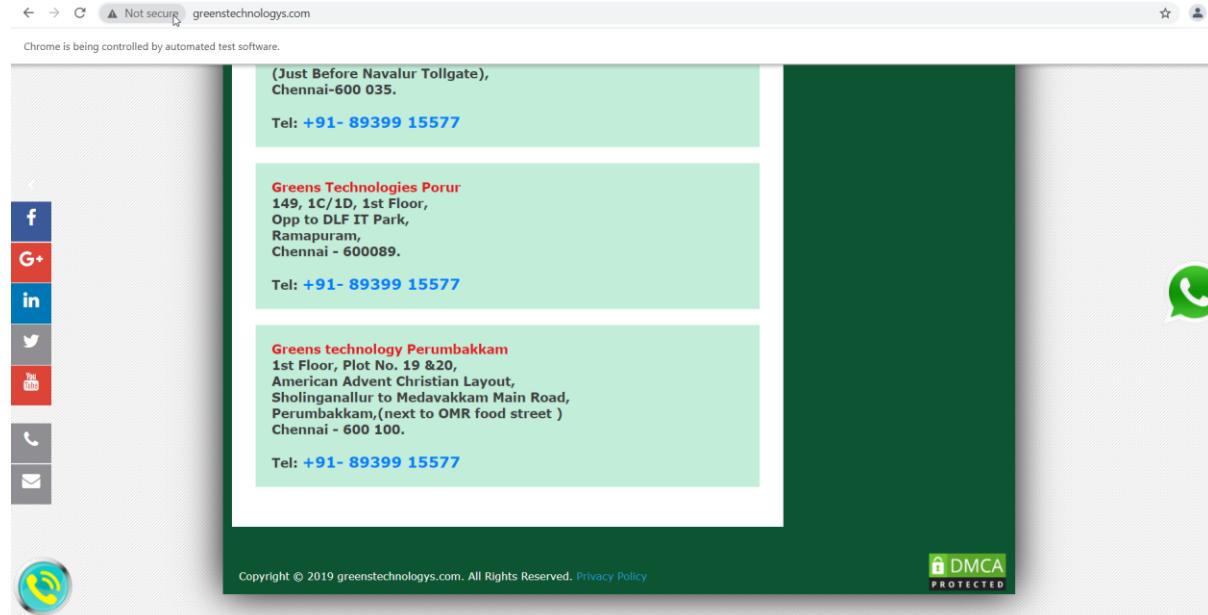
-----

URL : <http://www.greenstechnologys.com/>

NOTE: Go to down of the webpage using scrolldown and print the line  
"Greens Technologies Porur  
149, 1C/1D, 1st Floor,  
Opp to DLF IT Park,  
Ramapuram,  
Chennai - 600089."



```
1 package org.test;
2
3 import java.awt.AWTException;
4
5 public class Test {
6
7     public static void main(String[] args) throws AWTException, InterruptedException {
8         System.setProperty("webdriver.chrome.driver", "C:\\Users\\navee\\eclipse workspace\\SeleniumJan09\\Driver\\chromedriver.exe");
9         WebDriver driver = new ChromeDriver();
10
11         driver.manage().window().maximize();
12         driver.get("http://www.greenstechnologys.com/");
13         JavascriptExecutor jk = (JavascriptExecutor) driver;
14
15         WebElement txtBottom = driver.findElement(By.xpath("//p[text()='Copyright © 2019 greenstechnologys.com. All Rights Reserved.']"));
16         jk.executeScript("arguments[0].scrollIntoView(true)", txtBottom);
17         WebElement greensAddress = driver.findElement(By.xpath("//span[contains(text(),'Greens')])[5]"));
18         Object att = jk.executeScript("return arguments[0].getAttribute('value')", greensAddress);
19         String s=(String) att;
20         System.out.println(greensAddress.getText());
21         WebElement greensAddress1 = driver.findElement(By.xpath("//strong[contains(text(),'Floor'))][1]"));
22         Object att1 = jk.executeScript("return arguments[0].getAttribute('value')", greensAddress1);
23         String s1=(String) att1;
24         System.out.println(greensAddress1.getText());
25     }
26 }
```



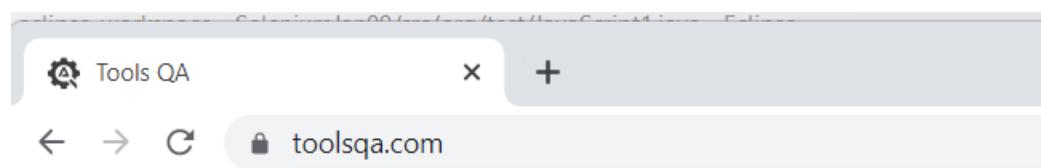
QUESTION 2

-----

URL : <http://toolsqa.com/>

NOTE: Go to "Share this page" using scrolldown and again "Latest Tutorials" using scrollup.

```
JavaScript1.java
1 package org.test;
2
3 import org.openqa.selenium.By;
4 import org.openqa.selenium.JavascriptExecutor;
5 import org.openqa.selenium.WebDriver;
6 import org.openqa.selenium.WebElement;
7 import org.openqa.selenium.chrome.ChromeDriver;
8
9 public class JavaScript1 {
10
11     public static void main(String[] args) throws InterruptedException {
12
13
14     System.setProperty("webdriver.chrome.driver", "C:\\Users\\navee\\eclipse-workspace\\SeleniumJan09\\Driver\\chromedriver.exe");
15     WebDriver driver=new ChromeDriver();
16
17     JavascriptExecutor jk =(JavascriptExecutor) driver;
18     driver.get("http://toolsqa.com/");
19     WebElement txtScrollDown= driver.findElement(By.xpath("//div[text()='Contact us anytime.']"));
20     WebElement txtScrollUp = driver.findElement(By.xpath("//div[text()='Selenium Online Trainings']"));
21
22
23     jk.executeScript("arguments[0].scrollIntoView(true)",txtScrollDown,txtScrollUp );
24     Thread.sleep(5000);
25
26     jk.executeScript("arguments[1].scrollIntoView(false)",txtScrollDown,txtScrollUp);
27
28
29 }
30 }
31
```

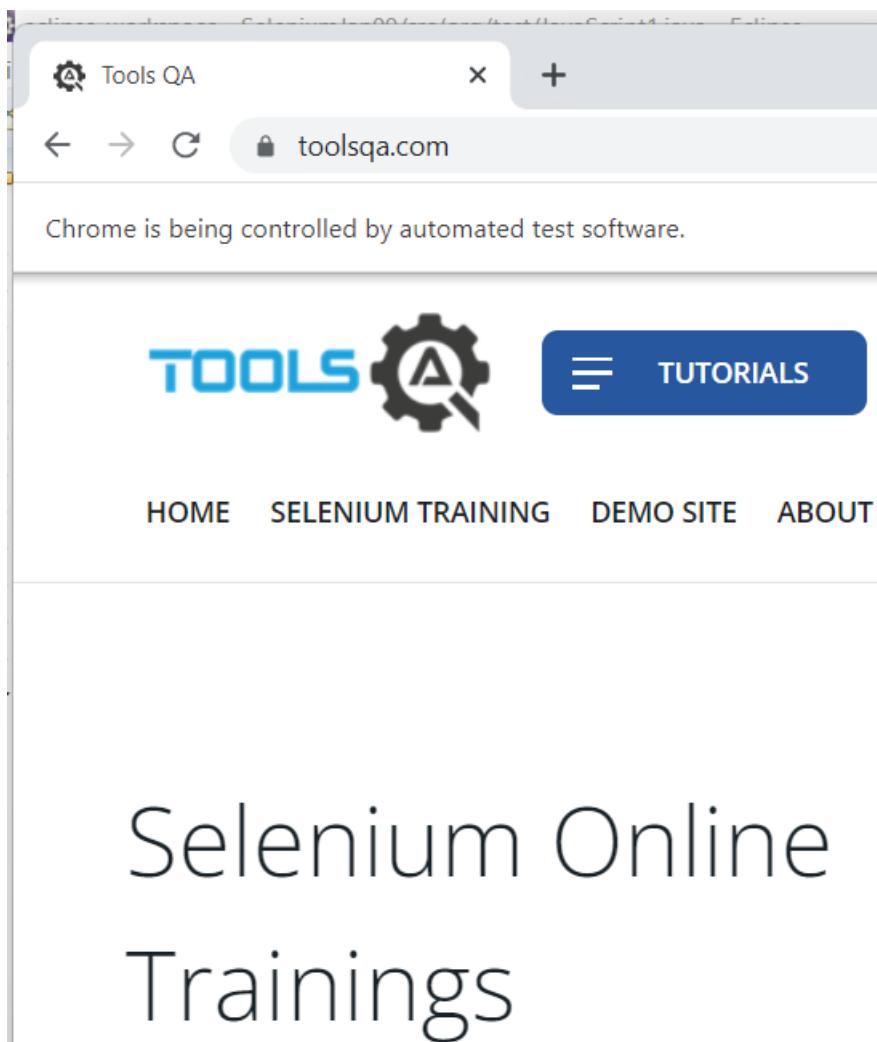


Chrome is being controlled by automated test software.



HOME SELENIUM TRAINING DEMO SITE ABOUT

**Have any question ?  
Contact us anytime.**

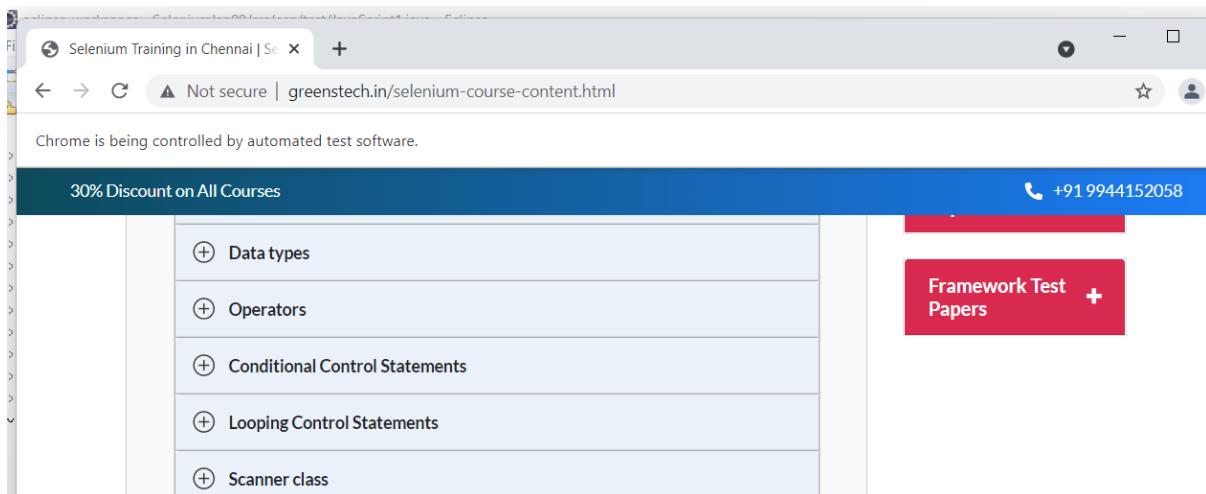


QUESTION 3

-----  
URL : <http://greenstech.in/selenium-course-content.html>

NOTE: Scroll Till Framework Test Papers

```
JavaScript1.java ☐
1 package org.test;
2
3 import org.openqa.selenium.By;
4 import org.openqa.selenium.JavascriptExecutor;
5 import org.openqa.selenium.WebDriver;
6 import org.openqa.selenium.WebElement;
7 import org.openqa.selenium.chrome.ChromeDriver;
8
9 public class JavaScript1 {
10
11     public static void main(String[] args) throws InterruptedException {
12
13
14         System.setProperty("webdriver.chrome.driver", "C:\\Users\\navee\\eclipse-workspace\\SeleniumJan09\\Driver\\chromedriver.exe");
15         WebDriver driver=new ChromeDriver();
16
17         JavascriptExecutor jk =(JavascriptExecutor) driver;
18         driver.get("http://greenstech.in/selenium-course-content.html");
19         WebElement txtScrollDown= driver.findElement(By.xpath("//h2[@class='mb-0']")[6]);
20         //WebElement txtScrollUp = driver.findElement(By.xpath("//div[text()='Selenium Online Trainings']"));
21
22
23         jk.executeScript("arguments[0].scrollIntoView(true)",txtScrollDown );
24         //Thread.sleep(5000);
25
26         //jk.executeScript("arguments[1].scrollIntoView(false)",txtScrollDown,txtScrollUp);
27
28
29     }
30 }
31
```



#### QUESTION 4

-----

URL : <https://www.facebook.com/>

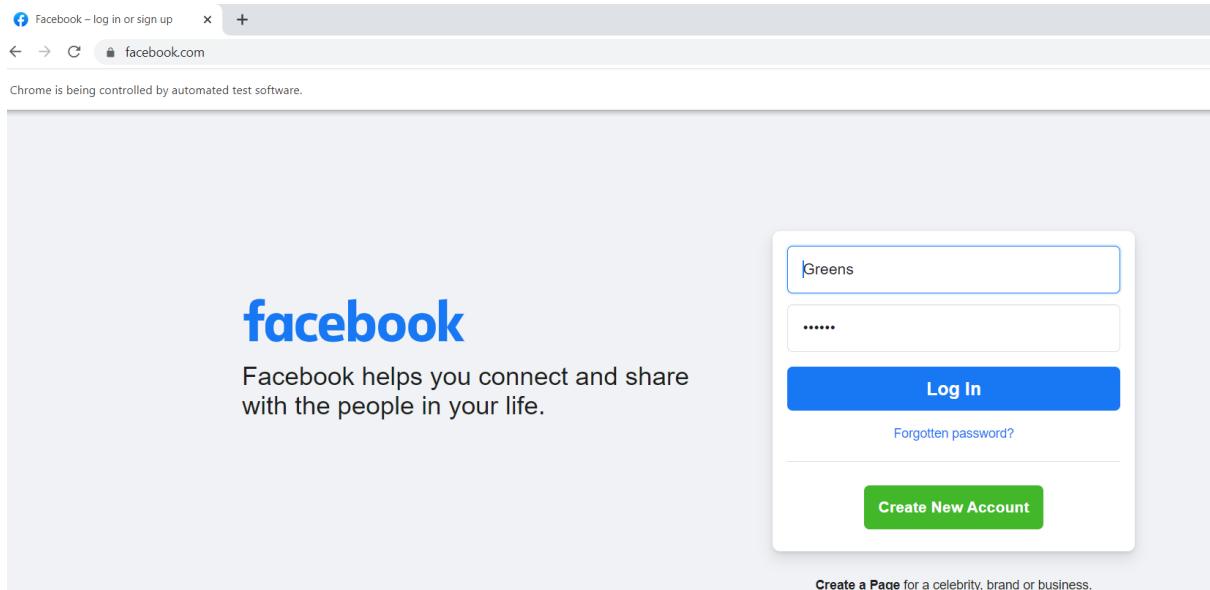
NOTE: Enter the email & password and click login button using JavaScript.

```

Console > JavaScript [Java Application] C:\Users\navee>
<terminated>- JavaScript [Java Application] C:\Users\navee>
Starting ChromeDriver 97.0.4692.71 (ade...
Only local connections are allowed.
Please see https://chromedriver.chromium.org
ChromeDriver was started successfully.
Feb 02, 2022 10:32:17 PM org.openqa.selenium.WebDriver$DriverCommandExecutor <init>
INFO: Detected dialect: W3C
Feb 02, 2022 10:32:17 PM org.openqa.selenium.WebDriver$DriverCommandExecutor <init>
WARNING: Unable to find an exact match
Feb 02, 2022 10:32:17 PM org.openqa.selenium.WebDriver$DriverCommandExecutor <init>
INFO: Found CDP implementation for vers
Greens
GREENS

Test.java  * JavaScript.java 33
1 package org.test;
2
3 import org.openqa.selenium.By;
4 import org.openqa.selenium.JavascriptExecutor;
5 import org.openqa.selenium.WebDriver;
6 import org.openqa.selenium.WebElement;
7 import org.openqa.selenium.chrome.ChromeDriver;
8
9 public class JavaScript {
10     public static void main(String[] args) {
11         System.setProperty("webdriver.chrome.driver", "C:\\\\Users\\\\navee\\\\eclipse-workspace\\\\SeleniumJan09\\\\Driver\\\\chromedriver.exe");
12         WebDriver driver = new ChromeDriver();
13
14         driver.manage().window().maximize();
15         driver.get("https://www.facebook.com/");
16         JavascriptExecutor jk = (JavascriptExecutor) driver;
17
18         WebElement txtUserName = driver.findElement(By.id("email"));
19         jk.executeScript("arguments[0].setAttribute('value','Greens')",txtUserName );
20         Object att = jk.executeScript("return arguments[0].getAttribute('value')",txtUserName );
21
22         String s=(String) att;
23         System.out.println(s);
24         WebElement txtPassword = driver.findElement(By.id("pass"));
25         jk.executeScript("arguments[0].setAttribute('value','GREENS')",txtPassword);
26         Object att1 = jk.executeScript("return arguments[0].getAttribute('value')",txtPassword);
27         String s1=(String) att1;
28         System.out.println(s1);
29
30     }
31
32 }
33

```



QUESTION 5

-----  
URL : <http://adactinhotelapp.com/>

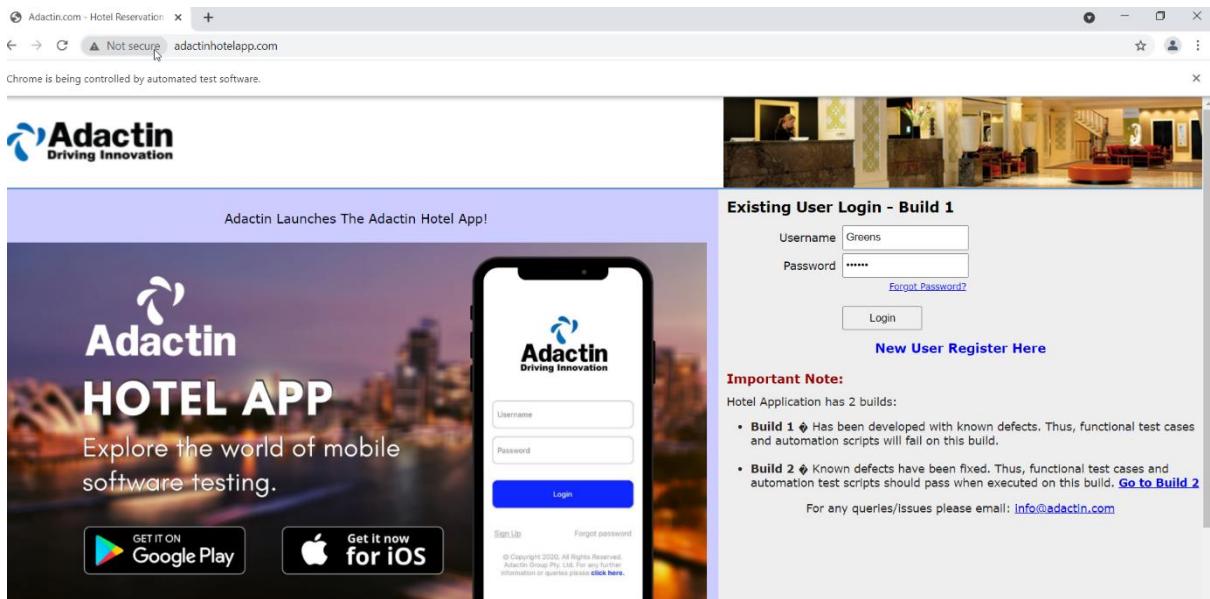
NOTE: Enter the username & password and click login button using JavaScript.

```

Console > Test.java > JavaScript.java >
<terminated> JavaScript [Java Application] C:\Users\navee
Starting ChromeDriver 97.0.4692.71 (ade...
Only local connections are allowed.
Please see https://chromedriver.chromium.org/
ChromeDriver was started successfully.
Feb 02, 2022 10:41:27 PM org.openqa.selenium INFO: Detected dialect: W3C
Feb 02, 2022 10:41:27 PM org.openqa.selenium WARNING: Unable to find an exact match
Feb 02, 2022 10:41:27 PM org.openqa.selenium INFO: Found CDP implementation for vers
Greens
GREENS

1 package org.test;
2
3 import org.openqa.selenium.By;
4 import org.openqa.selenium.JavascriptExecutor;
5 import org.openqa.selenium.WebDriver;
6 import org.openqa.selenium.WebElement;
7 import org.openqa.selenium.chrome.ChromeDriver;
8
9 public class JavaScript {
10     public static void main(String[] args) {
11         System.setProperty("webdriver.chrome.driver", "C:\\\\Users\\\\navee\\\\eclipse-workspace\\\\SeleniumJan09\\\\Driver\\\\chromedriver.exe");
12         WebDriver driver = new ChromeDriver();
13
14         driver.manage().window().maximize();
15         driver.get("http://adactinhotelapp.com/");
16         JavascriptExecutor jk =(JavascriptExecutor) driver;
17
18         WebElement txtUserName = driver.findElement(By.id("username"));
19         jk.executeScript("arguments[0].setAttribute('value','Greens')",txtUserName );
20         Object att = jk.executeScript("return arguments[0].getAttribute('value')",txtUserName );
21         String s=(String) att;
22         System.out.println(s);
23         WebElement txtPassword = driver.findElement(By.id("password"));
24         jk.executeScript("arguments[0].setAttribute('value','GREENS')",txtPassword);
25         Object att1 = jk.executeScript("return arguments[0].getAttribute('value')",txtPassword);
26         String s1=(String) att1;
27         System.out.println(s1);
28         WebElement btnLogin = driver.findElement(By.id("login"));
29         jk.executeScript("arguments[0].setAttribute('value','GREENS')",btnLogin);
30         Object attri = jk.executeScript("arguments[0].click()",btnLogin);
31     }
32
33 }

```



## QUESTION 6

---

URL : <https://www.flipkart.com/>

NOTE: Enter the email & password and click login button using JavaScript.  
print the user entered input

Console

```

<terminated> JavaScript[Java Application] C:\Users\nave
Starting ChromeDriver 97.0.4692.71 (ade
Only local connections are allowed.
Please see https://chromedriver.chromium.org
ChromeDriver was started successfully.
Feb 02, 2022 11:29:12 PM org.openqa.selenium
INFO: Detected dialect: W3C
Feb 02, 2022 11:29:14 PM org.openqa.selenium
WARNING: Unable to find an exact match
Feb 02, 2022 11:29:14 PM org.openqa.selenium
INFO: Found CDP implementation for vers
naveen.ja@gmail.com
GREENS

```

JavaScript.java

```

1 package org.test;
2
3 import org.openqa.selenium.By;
4
5 public class JavaScript {
6     public static void main(String[] args) throws InterruptedException {
7         System.setProperty("webdriver.chrome.driver", "C:\\Users\\navee\\eclipse-workspace\\SeleniumJan09\\Driver\\chromedriver.exe");
8         WebDriver driver = new ChromeDriver();
9
10        driver.manage().window().maximize();
11        driver.get("https://www.flipkart.com/");
12        JavascriptExecutor jk = (JavascriptExecutor) driver;
13
14        WebElement txtUserName = driver.findElement(By.xpath("//input[@class='_2IX_2- VJZDxU']"));
15        jk.executeScript("arguments[0].setAttribute('value','naveen.ja@gmail.com')",txtUserName);
16        Object att = jk.executeScript("return arguments[0].getAttribute('value')",txtUserName);
17        String s=(String) att;
18        System.out.println(s);
19        Thread.sleep(5000);
20        WebElement txtPassword = driver.findElement(By.xpath("//input[@class='_2IX_2- _3mctlh VJZDxU']"));
21        jk.executeScript("arguments[0].setAttribute('value','GREENS')",txtPassword);
22        Object attr = jk.executeScript("return arguments[0].getAttribute('value')",txtPassword);
23        String s1=(String) attr;
24        System.out.println(s1);
25        Thread.sleep(5000);
26        WebElement btnLogin = driver.findElement(By.xpath("//button[@class='_2KpZ61 _2HKlqd _3AWRsL']"));
27        jk.executeScript("arguments[0].click()",btnLogin);
28    }
29 }
30
31
32
33
34 }
35

```

