

Day1_Class,method,object

DAY1:

- 1.Java Introduction
- 2.Class,Method,Object
- 3.Same package and Different package
- 4.Encapsulation

QUESTIONS(Theory):

- 1.What is platform independent?
- 2.What is open source?
- 3.Difference between JDK,JRE,JVM?
- 4.why we go for java?
- 5.What is the latest version of JDK and which version you are using in your project?
- 6.What is the latest version of eclipse and which version you are using in your project?
- 7.Difference between c++ and java?
- 8.Features of java?
- 9.What type of tool you are using in your project to execute java?
- 10.Difference between class,method,object?
- 11.Where object stores?
- 12.How to access one class method in to another package in different package?
- 13.What is encapsulation?
- 14.Coding standard to create project,class,method,package and object ?
- 15.What gives Java it's "write once and run anywhere" nature?

QUESTIONS(Programs):

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(),greensAnnaNagar()
```

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(),phoneMieinum(),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(),hindilLanguage()

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.

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.

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.

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.

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.

Day2_Inheritance,Scanner,Datatype,access specifier

DAY2:

- 1.Inheritance
- 2.Access specifiers
- 3.Data types
- 4.Scanner class

QUESTIONS(Theory)

- 1.What is mean by inheritance?
- 2.Types of inheritance and explain all types?
- 3.What is mean by multiple inheritance,why java won't support multiple inheritance?
- 4.Difference between hybrid and hierachical inheritance?
- 5.What is the use of access specifier and types?
- 6.Difference between public and protected?
- 7.What is mean by Wrapper class?
- 8.What is default value of String?
- 9.What is difference between primitive and non primitive datatypes?
- 10.What is default package in java?
- 11.What is the super class of all java class?
- 12.What is use of scanner class?
- 13.What are the different methods available in Scanner class?
- 14.Scanner class is under which package?
- 15.Difference between next() and nextLine()?

QUESTIONS(Programs)

QUESTION 1:

Description: Using Scanner class get the below details

empId
empName
empEmail
empPhoneno
empSalary
empGender
empCity

QUESTION 2:

Description: Using Scanner class get the below details

studentId
studentName
Mark1
Mark2
Mark3
Mark4
Mark5

:Find the total and average of marks

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.

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.

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.

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.

QUESTION 8:

Description: Using Scanner class get the below details

```
StudentId
StudentName
StudentEmail
StudentPhoneno
StudentDept
StudentGender
StudentCity
```

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 inheritance.

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.

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.

Day3_Polymorphism,Abstraction

DAY3:

- 1.Polymorphism
- 2.Abstraction

QUESTIONS(Theory)

- 1.What is mean by polymorphism?
- 2.Difference between method overloading and method overriding?
- 3.What is mean by Abstraction?
- 4.Difference between Abstract class and interface?
- 5.What is mean by abstract method?
- 6.Can we create object for abstract class?
- 7.In interface,can we make method as static?
- 8.In interface,can we make method as final?
- 9.How will achieve multiple inheritance in java,write a code for that?

QUESTIONS(Programs)

QUESTION 1:

Find the answer for below questions and tell whether it is possible or not?

I implements I
I implements C
I implements A
I extends I
I extends C
I extends A

C implements I
C implements C
C implements A
C extends I
C extends C
C extends A

A implements I
A implements C
A implements A
A extends I
A extends C
A extends A

A-abstract class
C-class
I- interface

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.

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.

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.

QUESTION 5:

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

Description

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

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`.

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`.

QUESTION 8:

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

```
Class        :College
Methods      :ug(),pg()
```

Description:

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

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.

QUESTION 10:

```
Project   :Computer
Interface :HardWare
Methods   :hardwareResources()
```

```
Interface :Software
Methods   :softwareResources()
```

```
Class     :Desktop
Methods   :desktopModel()
```

Description:

create 2 Interface and achieve multiple inheritance.

Day4_ControlStatements

DAY4:

- 1.if/else if
- 2.Looping(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 statments 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;

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);
    }
}

```

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 1 to 18 years old.

Example:

Input = 10

Output = print not eligible.

QUESTION 2:

Description: Write a program to find even or odd number

Example:

Input = 10

Output = Even

QUESTION 3:

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

Example:

Output = 2,4,...100

QUESTION 4:

Description: Find the sum of odd number 1 to 100

Example:

Output = 2500

QUESTION 5:

Description: Count of even number 1 to 100

Example:

Output = 50

QUESTION 6:

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

Example:

Input = 5

Output = 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.....

QUESTION 8:

Description: Find prime number or not.

Example:

Input = 11

Output = 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
-----
      *
     * *
    * * *
   * * * *
  * * * * *
 * * * * *
-----
```

```
*
* *
* * *
* * * *
* * * * *
-----
```

QUESTION 10:

Description: Find Armstrong number or not

Example:

Input = 153
Output = Armstrong number

QUESTION 11:

Description: Reverse the number

Example:

Input = 123
Output = 321

QUESTION 12:

Description: Count of the number

Example:

Input = 123
Output = 3

QUESTION 13:

Description: Sum of the number

Example:

Input = 123
Output = 6

QUESTION 14:

Description: Verify the number is palindrome number not

Example:

Input = 141
Output = Palindrome

DAYS:

- 1.Constructor and types
- 2.this and super
- 3.types of var
- 4.static/final

QUESTIONS(Theory)

- 1.What is mean by constructor and types?
- 2.Explain the types of variable
- 3.Do constructors have any return type?
- 4.Syntax for creating constructor?
- 5.What are the rules for defining a constructor?
- 7.Why a return type is not allowed for constructor?
- 8.Can we declare constructor as 'private'?
- 9.Why a compiler given constructor is called as default constructor?
- 10.What is constructor chaining and how can it be achieved in Java?
- 11.Can we use this() and super() in a method?
- 12.What are the common uses of "this" keyword in java?
- 13.Types of variable?
- 14.What is meant by local variable,instance variable,class/static variable?
- 15.What is mean by static keyword in java?
- 16.Can we override static method in java?
- 17.Can we overload static method in java?
- 18.What is mean by static variable?
- 19.What is mean by static method?
- 20.What is mean by final keyword and what's happend when we declare final as in class,method,variable?
- 21.What is difference between final and finalize keyword?
- 22.Where local,static and class variables stores in jvm?

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();
    }
}
```

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");
    }
}

```

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);
    }
}

```

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();
    }

}

```

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);
    }

}

```


DAY6:

- 1.String functions
- 2.Literal String
- 3.Non Literal String
- 4.Mutable String
- 5.ImMutable String

QUESTIONS(Theory)

- 1.What is mean by string?
- 2.How to find length of the string?
- 3.How to find particular character in string?
- 4.How to split the string?
- 5.What is difference between literal String and non literal string?
- 6.What is mutable and immutable string?
- 7.Difference between stringbuilder and stringbuffer?
- 8.Method name to identify memory location?
- 9.What are the string functions available in java?
- 10.What is difference between charAt() and contains() method?
- 11.What is the return type of compareTo()
- 12.Where the Literal String and non literal String stores?
- 13.What is mean by ASCII value?

QUESTIONS(Programs)

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

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

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

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

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

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

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

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

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

QUESTION 10

Description : Get two input from user and Compare

Example

String 1 : Nisha
String 2 : nisha

Example

String 1 : Nia
String 2 : nisha

QUESTION 11

QUESTION 11.1

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

Example

String 1 : Nisha
String 2 : Nisha

QUESTION 11.2

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

Example

String 1 : Nisha
String 2 : Nisha

QUESTION 11.3

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

Example

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

QUESTION 11.4

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

Example

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

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 1

Example:

Input :Welcome to java class
Output:

We
come to java c
ass

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

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

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

QUESTION 16

Description: Replace all vowels char into '@'

Example:

Input = Welcome

Output = W@lc@m@

DAY7:

- 1.Arrays
- 2.Collections Introduction
- 3.List(ArrayList only)

QUESTIONS(Theory)

- 1.What do you mean by an array and How to create an Array?
- 2.Can you change size of array once created?
- 3.Is it legal to initialize an array `int i[] = {1, 2, 3, 4, 5}`
- 4.Advantages and disadvantages of Array?
- 5.Can we change the size of an array at run time?
- 6.Can you declare an array without assigning the size of an array?
- 7.What is the default value of Array?
- 8.How to print element of Array?
- 9.How to compare Two Arrays?
- 10.How to sort an Array?
- 11.Can we declare array size as a negative number?
- 12.Can we add or delete an element after assigning an array?
- 13.Can we use Generics with the array?
- 14.What is collection and explain about types?
- 15.What is the difference between ArrayList and Vector?
- 16.What is the difference between ArrayList and LinkedList?
- 17.How to convert Array to List and List to Array

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

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

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}`

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

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

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

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

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

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

QUESTION 10:

QUESTION 10.1:

Description : Create a new ArrayListlists 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 ArrayListlists 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 ArrayListlists 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

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

DAY8:

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

Day8:

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

QUESTIONS(Theory)

- 1.Describe the Collections type hierarchy. What are the main interfaces, and what are the differences between them?
- 2.Explain about user defined list?
- 3.Mention what is Linked List?
- 4.what is difference between set and List?
- 5.What is the difference between HashSet and TreeSet ?
- 6.Difference between Enumerator,Iterator and List Iterator
- 7.How to convert List into Set

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

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

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

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

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

QUESTION 6:

Description: Create a userdefine Set and insert the 10 employee details
Input : empId,name,phone,address,dob,dof,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(Theory)

- 1.What is map?
- 2.What is difference between Hash Map and Hash Table?
- 3.What is difference between set and Map?
- 4.What are the classes implementing List interface?
- 5.Which all classes implement Set interface ?
- 6.Explain about user defined Map?
- 7.How null allows in below maps:
HashMap :k?,v?
LinkedHashMap:k?,v?
TreeMap :k?,v?
HashTable :k?,v?
- 8.How to Iterate Map ?
- 9.Return type entrySet?

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,psql,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 TreeHashMap 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

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,psql,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

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,psql,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 TreeHashMap 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

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,psql,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 TreeHashMap 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

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,psql,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

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(Theory)

- 1.what is Exception?
- 2.Explain about types of Exception?
- 3.Difference between checked exception and unchecked exception?
- 4.What are the differences between exception and error?
- 5.What is the super class for Exception and Error?
- 6.Exceptions are defined in which java package
- 7.What is throw keyword in java?
- 8.Can we have try block without catch block?
- 9.Can we write multiple catch blocks under single try block?
- 10.How to write user defined exception or custom exception in java?
- 11.What are the different ways to print exception message on console?
- 12.What are the differences between final finally and finalize in java?
- 13.Can we write return statement in try and catch blocks?
- 14.Can we write return statement in finally block?
- 15.What are the differences between throw and throws?
- 16.What are the Exception Handling Keywords in Java?
- 17.Explain Java Exception Hierarchy?
- 18.How to create custom 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(ArithmeticException 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(ArithmeticException 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(ArithmeticException 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(ArithmeticException e)
    {
        Throwable obj = new Throwable("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(ArithmeticException 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");
        }
    }
}

```


DAY11:

- 1.JDBC Connection
- 2.Mysql Introduction

QUESTIONS(Theory)

- 1.What is JDBC?
- 2.What is JDBC Driver?
- 3.What are the steps to connect to the database in java?
- 4.What are the JDBC statements?
- 5.What is the difference between Statement and PreparedStatement interface?
- 6.what is schema?
- 7.what is primary key?
- 8.what is constraints?

QUESTIONS(Program)

Task 1:

Download Sql work bench and do all setup like creating table,assign primary key and retrieve all the values from Demoqa register table(manually).

Input :FirstName,LastName,MaritalStatus(Single,Married,Divorced),
Hobby(Dance,Reading,Cricket),Country,DateOfBirth,PhoneNumber,
Username,E-mail,AboutYourself>Password,ConfirmPassword

Output:

Table Created.
Inserted value in table
Deleted value in table
Modified value in table

Task 2:

Download Sql work bench and do all setup like creating table,assign primary key and retrieve all the values from employee table.

Input :EmpId(PrimaryKey),EmpName,EmpSalary,EmpAddress

Output:Print all the values from the table

Sample Output:

EmpId	EmpName	EmpSalary	EmpAddress
101	Arun	2000	Chennai
102	Siva	3000	Madurai
103	Varun	2000	Selam
104	Tharun	1000	Erode

File Operation:

QUESTIONS(Theory)

- 1.What is mean by File? In which package it is available? 2.What are the methods available in File ?
- 3.While creating a file if you not mention the format then under which format it will save the file?
- 4.What are the difference between append and updating the file?
- 5.How to compare paths of two files?
- 6.How to create a new file?
- 7.How to get last modification date of a file?
- 8.How to create a file in a specified directory?
- 9.How to check a file exist or not?
- 10.How to make a file read-only?
- 11.How to renaming a file ?
- 12.How to get a file's size in bytes?
- 13.How to change the last modification time of a file ?
- 14.How to create a temporary file?
- 15.How to append a string in an existing file?
- 16.How to copy one file into another file?
- 17.How to delete a file?
- 18.How to read a file?
- 19.How to write to a file?
- 20.How to create directories recursively?
- 21.How to delete a directory?
- 22.How to get the fact that a directory is empty or not?
- 23.How to get a directory is hidden or not?
- 24.How to print the directory hierarchy?
- 25.How to print the last modification time of a directory?
- 26.How to get the parent directory of a file?
- 27.How to search all files inside a directory?
- 28.How to get the size of a directory?
- 29.How to traverse a directory?
- 30.How to find current working directory?
- 31.How to display root directories in the system?
- 32.How to search for a file in a directory?
- 33.How to display all the files in a directory?
- 34.How to display all the directories in a directory?

QUESTIONS(Practical)

QUESTION 1

NOTE: Create a new file
write the file with some 10 lines of text.

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.

QUESTION 4

NOTE: Print the last 5 lines from the file.

QUESTION 5

NOTE: Print the odd lines from the file.

QUESTION 6

NOTE: Count the number of duplicate words available in the file.

QUESTION 7

NOTE: Check directory D:\Java is available or not.

QUESTION 8

NOTE: Check directory D:\Java is available or not.
If not create new directory.

QUESTION 9

NOTE: Create sub directory D:\Java\Selenium\Material.

QUESTION 10

NOTE: Print all the available files from an existing folder.

SELENIUM

DAY1

- 1.Introduction to selenium
- 2.Download jar file and drivers
- 3.Browser Launch

QUESTIONS(Theory)

- 1.What is Automation Testing and benefits?
- 2.Why should Selenium be selected as a test tool?
- 3.What is Selenium? What are the different Selenium components?
- 4.What is the difference between Selenium IDE, Selenium RC, and WebDriver?
- 5.What is the latest version of selenium jar file and how you will configure selenium jar file with eclipse?
- 6.Can Google Chrome be supported by Selenium IDE?
- 7.What are the different browsers supported by selenium?
- 8.What is the Classname,driver name for the below browsers,
 - 1.Firefox browser
 - 2.Chrome browser
 - 3.IE
 - 4.safari browser
 - 5.Opera browser
- 9.What is the WebDriver and WebDriver is class or interface?
- 10.What is the method name to launch the url?
- 11.Method names to get the title and current URL?
- 12.What is the difference between close() and quit()?

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://greentech.in/selenium-course-content.html>

- 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://greentech.in/selenium-course-content.html>

- 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://greentech.in/selenium-course-content.html>

SELENIUM:

DAY2

Locators

sendKeys

QUESTIONS(Theory)

- 1.What are the locators available in selenium?
- 2.which locator is faster in selenium?
- 3.How will you find the locators in selenium? write a code for it?
- 4.Explain about findElement & findElements?
- 5.Different between findElement and FindElements?
- 6.What is the return type of findElement and findElements?
- 7.In which class all the locator methods are available?
- 8.What is method to insert a value in textbox?
- 9.Write a code for inserting value in textbox?
- 10.While finding the locators index will start from 0 or 1?
- 11.How will you click a button in webpages?
- 12.WebElement is a interface or class?

QUESTIONS(Practical)

QUESTION 1

URL : <https://www.facebook.com/>

NOTE: Enter Email or Phone and Password.

QUESTION 2

URL : <https://www.redbus.in/>

NOTE: Enter from and to textbox.

QUESTION 3

URL : <https://www.google.com/>

NOTE: Enter GreensTechnology.

QUESTION 4

URL : <https://infinity.icicibank.com/corp/Login.jsp>

NOTE: Enter username and password.

QUESTION 5

URL : <https://netbanking.hdfcbank.com/>

NOTE: Enter customer id .

QUESTION 6

URL : <https://www.swiggy.com/>

NOTE: Enter the location.

QUESTION 7

URL :<https://www.snapdeal.com/login>

NOTE: Enter mobile number/email.

QUESTION 8

URL : <https://www.instagram.com/accounts/login/?hl=en>) login page

NOTE: Enter username and password.

QUESTION 9

URL : <http://demo.automationtesting.in/Register.html>

NOTE: Just enter the values for the textbox only.

QUESTION 10

URL : <http://adactinhotelapp.com/>

NOTE: Enter Email or Phone and Password.

SELENIUM

DAY 3

- 1.Locator(xpath)
- 2.Radio button,checkbox, Button

QUESTIONS(Theory)

- 1.What are the different types of xpath?
- 2.What is xpath? Why we are going for xpath?
- 3.What are the Types of xpath?
- 4.What is the difference between Absolute xpath and Relative xpath?
- 5.What are the difference between / and // ?
- 6.What is the difference between Radio and CheckBox button?
- 7.What is the method used to perform click?
- 8.What are the xpath functions?
- 9.How will you select a female Radio Button and write a code for it ?
- 10.Write a code for selecting a Radio Button and CheckBox button click ?
- 11.What are the methods available in xpath?

QUESTIONS-(Practical)

QUESTION 1

URL : <https://www.amazon.in/>

NOTE: Click start here. Enter iphone and search

QUESTION 2

URL : <https://www.facebook.com/>

NOTE: Enter email and password and click login(by using xpath locator).

QUESTION 3

URL : <http://demo.automationtesting.in/Register.html>

NOTE: Give details and register the form.

QUESTION 4

URL : <http://toolsqa.com/automation-practice-form/>

NOTE: Give details and register the form.

QUESTION 5

URL : <http://greentech.in/selenium-course-content.html>

NOTE: Click interview question +.
Click cts interview question

QUESTION 6

URL : <https://www.redbus.in/>

NOTE: Click ^[opposite of this] and signin/signup
Enter Mobilenumber and click Generate OTP

QUESTION 7

URL : <https://www.cleartrip.com/trains>

NOTE: Enter From ,TO and click search trains

QUESTION 8

URL : <http://greentech.in/selenium-course-content.html>

NOTE: Click Model Reume + and click Resume Model 1

QUESTION 9

URL : <https://www.flipkart.com/>

NOTE: Click Login and Entere Username password

QUESTION 10

URL : <https://www.amazon.in/>

NOTE: Click any product and click search

QUESTION 11

URL : <https://accounts.google.com/signup/v2/webcreateaccount?hl=en&flowName=GlifWebSignIn&flowEntry=SignUp>

NOTE: Give details and register the form.

QUESTION 12

URL : <https://www.snapdeal.com/>

NOTE: Click signin and click new register and enter mobile number abd click continue.

QUESTION 13

URL : <https://www.myntra.com/register?referrer=https://www.myntra.com/>

NOTE: Enter Mobile number and click continue

QUESTION 14

URL : <https://www.swiggy.com/>

NOTE: Click sign up and Give details and register the form.

SELENIUM

DAY4

Debug

Xpath contains, text
getText();
getAttribute();

QUESTIONS(Theory)

- 1.What is the purpose of debug?
- 2.What is the steps for debug?
- 3.What are the types of debug?
- 4.How to take a locator in which contains no tag?
- 5.How to print a paragraph from webpage?
- 6.What are the methods to get and print the text from webpage?
- 7.What is the purpose of getText() and getAttribute() ?
- 8.What is the return type of getText() and getAttribute() ?
- 9.In which interface getText() and getAttribute() is available?
- 10.What are the difference between getText() and getAttribute()?
- 11.Whether it is possible to get the text from webpage without using getText()?

QUESTIONS(Practical)

QUESTION 1

URL : <http://www.greenstechnologys.com>

NOTE: Print Greens Technologys Software Training Centers in Chennai

QUESTION 2

URL : <http://greentech.in/selenium-course-content.html>

NOTE: Print paragraph starts with vel murugan.

QUESTION 3

URL : <http://greentech.in/selenium-course-content.html>

NOTE: Print the adayar branch address

QUESTION 4

URL : <http://greentech.in/selenium-course-content.html>

NOTE: Print the omr branch address

QUESTION 5

URL : <http://www.greenstechnologys.com/>

NOTE: Print the paragraph starts with Greens Technology

QUESTION 6

URL : <https://www.facebook.com/>

NOTE: Print the email and password which was entered by user

QUESTION 7

URL : <http://www.google.com/>

NOTE: Search greens velmurugan and click the 1st link.

QUESTION 8

URL : <http://adactinhotelapp.com/>

NOTE: Print the UserName and Password that you are entered.

QUESTION 9

URL : <https://www.snapdeal.com/>

NOTE: Search any product and click 1st product

QUESTION 10

URL : <https://www.flipkart.com/>

NOTE: Search any product and click 1st product

QUESTION 11

URL : <https://www.flipkart.com/>

NOTE: Click login and enter User name password
Print the details you are given.

QUESTION 12

URL : <https://www.shopclues.com/wholesale.html>

NOTE: Search any product and click 1st product

SELENIUM

DAY 5

Actions(mouseOver action,drag and drop)

QUESTIONS(Theory)

- 1.What is MouseOverAction?
- 2.Write a code to perform MouseOverAction?
- 3.Whether Action is a class or Interface?
- 4.How will you perform Drag and drop?
- 5.what is the use of the Action class?
- 6.What is the purpose of Drag and Drop?
- 7.In which class dragAndDrop method is available?
- 8.Why we use .perform()?
- 9.What is the purpose of moveToElement()? where t is used?
- 10.In which class moveToElement() is present?
- 11.How will you perform MouseOver action ?
- 12.What is the difference between moveToElement() & switchTo()?

QUESTIONS-(Practical)

QUESTION 1

URL : 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

QUESTION 2

URL: <http://www.amazon.in>

NOTE: Try Prime first mouseover
Click Free fast delivery on prime items

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

QUESTION 5

URL : <https://www.shopclues.com/wholesale.html>

NOTE: Sports&more is first mouseover
Click weights grainers

QUESTION 6

URL : <http://greentech.in/selenium-course-content.html>

NOTE: Course is first mouseover
Software testing training is second mouseover
Click selenium training

QUESTION 7

URL : <http://greenstech.in/selenium-course-content.html>

NOTE: Courses is first mouseover
Oracle training is second mouseover
Click Oracle sql training

QUESTION 8

URL : <http://greenstech.in/selenium-course-content.html>

NOTE: Courses is first mouseover
DataWarehouse training is second mouse over
click microstrategy training.

QUESTION 9

URL : <http://greenstech.in/selenium-course-content.html>

NOTE: Courses is first mouseover
RPA is second mouseover
Click Blue prism Certification training

QUESTION 10

URL : <http://greenstech.in/selenium-course-content.html>

NOTE: Courses is first mouseover
Data Warehousing is second mouseover

QUESTION 11

URL : <https://www.homedepot.com/>

NOTE: Alldepartment 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.

QUESTION 14

URL : <https://www.snapdeal.com/>

NOTE: Women's Fashion is first mouseover
Click footwear->click heals.

QUESTION 15

URL : <https://www.amazon.in/>

NOTE: Signin is first mouseover
Click Register
Give details for Register

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(Theory)

- 1.How will you Perform rightClick?
- 2.How will you perform doubleClick?
- 3.Write a code for Robot class?
- 4.In which package Robot class is available?
- 5.what exception Robot class throws?
- 6.What is the method to perform rightClick?
- 7.What is the method to perform doubleClick?
- 8.Write a code to copy a text using Robot class?
- 9.Write a code to paste a text using Robot class?
- 10.In which class contextClick() is available?
- 11.In which class doubleClick() is available?

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

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]

QUESTION 3

URL : <http://greentech.in/selenium-course-content.html>

NOTE: Click interview question and Right click cts interview question and Select open link in new window

QUESTION 4

URL : <http://greentech.in/selenium-course-content.html>

NOTE: Right Click Framework Test Papers and Select Inspect

QUESTION 5

URL : <http://greentech.in/selenium-course-content.html>

NOTE: Click Model Resume and rightClick resume model 4 the page and click save as.

QUESTION 6

URL : <http://greentech.in/selenium-course-content.html>

NOTE: Right Click RPA [below Top Selenium Trends In 2020] and click Inspect

QUESTION 7

URL : <http://greentech.in/selenium-course-content.html>

NOTE: Click Selenium Test Papers Right Click Day 6 Robot and select 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)

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

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

SELENIUM

DAY7

Screenshot
scrollup and scrolldown

QUESTIONS(Theory)

- 1.How will you take a screenshot in selenium?
- 2.For what reason we have to take screenshot?
- 3.Whether TakesScreenshot is a class or interface?
- 4.In what place the screenShot will store in default?
- 5.Write a code to perform Screenshot?
- 6.Whether FileUtils is a class or interface?
- 7.Suppose we want to change the location of the Screenshot What can we do?
- 8.What is javaScript?
- 9.Write a code for the scrollUp and scrollDown?
- 10.In which method scrollUp and scrollDown take place?
- 11.Whether JavaScript is a class or interface?

QUESTIONS(Practical)

QUESTION 1

URL : <http://www.greenstechnologys.com/>

NOTE: Take screenshot of homepage.

QUESTION 2

URL : <http://toolsqa.com/>

NOTE: Scroll down till "Recent Articles".

QUESTION 3

URL : <http://toolsqa.com/>

NOTE: Scroll down 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

QUESTION 5

URL : <http://greenstech.in/selenium-course-content.html>

NOTE: Scroll Down till "job opening" and Take the screenshot and scroll up Online Classroom

QUESTION 6

URL : <http://greenstech.in/selenium-course-content.html>

NOTE: Scroll down till "Top Selenium Trends In 2020" and takes Screenshot

QUESTION 7

URL : <http://greenstech.in/selenium-course-content.html>

NOTE: Click interviews question take the screenshot

QUESTION 8

URL : <http://greenstech.in/selenium-course-content.html>

NOTE: In CoreJava TestPaper Take the Screenshot

QUESTION 9

URL : <https://www.flipkart.com/>

NOTE: Search iphone and take the screenshot.

QUESTION 10

URL : <https://www.amazon.in/>

NOTE: Search motorolo and take the screenshot.

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(Theory)

- 1.What is an Alert?
2.What are the types of Alert?
3.Write a code to perform Alert?
4.What can we do to click Ok button in alert?
5.What can we do to click Cancel button in alert?
6.Whether alert is an interface or class?
7.What is mean by frames?
8.What are the arguments we pass on frames?
9.Write a code for switching the alert?
10.Write a code to switch frames?
11.What is the method switch the alert and frame?

QUESTIONS(Practical)

QUESTION 1:

URL : <http://demo.automationtesting.in/Alerts.html>

NOTE: Click button to display an alert box and click ok button

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.

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.

QUESTION 4

URL : https://netbanking.hdfcbank.com/netbanking/?_ga=2.176378149.1819882415.1533883212-608727520.1532670997

NOTE: Click continue without enter the user id and handle popup.

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.

QUESTION 8

URL : [https://infinity.icicibank.com/corp/AuthenticationController?](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)

[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

SELENIUM

DAY9

Drop Down

QUESTIONS(Theory)

- 1.What is the purpose of DropDown?
- 2.How will you perform DropDown?
- 3.What are the ways to select DropDown options?
- 4.Whether Select is a interface or class?
- 5.Write a code to print all the options in DropDown?
- 6.Can we select multiple values in DropDown?
- 7.How will select multiple values in DropDown?
- 8.What are the methods available in Select class?
- 9.can we deselect the options in DropDown?
- 10.Write a code to print selected options in DropDown?
- 11.Write a code to deselect the selected options in DropDown?

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 getAttirubute() 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 availble in fruits
Find out number of option not selected

QUESTION 13

URL : <http://output.jsbin.com/osebed/2>

NOTE: Select All availble in fruits
Print first selected option

SELENIUM

DAY10

Windows Handling

QUESTIONS(Theory)

- 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

QUESTION 4

URL : <http://www.greenstechnologys.com/python-training.html>

NOTE: Click Selenium Test Papers and click Selenium Day10Task
Click Windows Handling and print 1 question

QUESTION 5

URL : <http://www.greenstechnologys.com/>

NOTE: Mouse Over Course And click python
Right Click Explore Curriculum and click open in new window

QUESTION 6

URL : <http://greentech.in/selenium-course-content.html>

NOTE: Click Junit in Framework Test Paper
print 1st Question in practical

QUESTION 7

URL : <http://greenstech.in/selenium-course-content.html>

NOTE: Click Control Statement in Core Java Test Paper
print 1st Question in Theorey

QUESTION 8

URL : <https://www.snapdeal.com/>

NOTE: Search hand sanitizer and click any hand sanitizer
add it to cart

QUESTION 9

URL : <https://www.flipkart.com/>

NOTE: Search redmi phone and click any phone
print price amount

QUESTION 10

URL : <https://www.flipkart.com/>

NOTE: Search mask and click any mask
Enter delivery pincode

QUESTION 11

URL : <https://www.flipkart.com/>

NOTE: Search hp laptop and click 1st hp laptop
print cost of laptop

QUESTION 12

URL : <http://greenstech.in/selenium-course-content.html>

NOTE: Click WindowsHandling in selenium Java Test Paper
print question 13 in practical

QUESTION 14

URL : <http://greenstech.in/selenium-course-content.html>

NOTE: Click Testng in Framework Test Paper
print 4th Question in practical

SELENIUM

DAY11

WebTable

QUESTIONS(Theory)

- 1.What is mean by webtable?
- 2.What is the use of webtable?
- 3.Under which tags webtable is present in html?
- 4.Which tag is used to mention the table row and table data ?
- 5.Write a code to display all the Colum Name from the table?
- 6.Write a code to display all the data from the table?
- 7.If there are multiple tables available in webpage.How Will you display the any specified particular webtable data?
- 8.Write a code to print the rows alone form the webtable?
- 9.Write a code to print all the data's from the webtable using enhanced for loop?
- 10.Write a code to print the table headers from the WebTable?

QUESTIONS(PRACTICAL)

QUESTION 1

URL : <http://demo.guru99.com/test/write-xpath-table.html>

NOTE: Print all the content in the dymaic webtable.

QUESTION 2

URL : <http://demo.guru99.com/test/write-xpath-table.html>

NOTE: Print all value in first row

QUESTION 3

URL : <http://demo.guru99.com/test/write-xpath-table.html>

NOTE: Find out Number of rows available in webPage

QUESTION 4

URL : <http://demo.guru99.com/test/write-xpath-table.html>

NOTE: Print all details available in 4th webtable

QUESTION 5

URL : <http://demo.guru99.com/test/write-xpath-table.html>

NOTE: Print Even rows available in 4th webtable

DAY12:

JavaScript

QUESTIONS(Theory)

- 1.What is mean by JavaScript?
- 2.Whether JavaScript is a class or Interface?
- 3.What is the method available to run the Javascript?
- 4.Write a code to click a button using JavaScript?
- 5.Write a code to insert a value in textBox using JavaScript?
- 6.What method is used to get the font size of the WebElement in a webpage?
- 7.What method is used to get the Color of the WebElement in a webpage?
- 8.Write a code to highlight the WebElement in a webpage?
- 9.Write a code to get the InnerText and Title of a webpage using Javascript?
- 10.Write a code to perform scrollUp in a webpage using Javascript?
- 11.Write a code to perform scrolldown in a webpage using Javascript?

QUESTIONS(Practical)

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."

QUESTION 2

URL : <http://toolsqa.com/>

NOTE: Go to "Share this page" using scrolldown and again "Latest Tutorials" using scrollup.

QUESTION 3

URL : <http://greentech.in/selenium-course-content.html>

NOTE: Scroll Till Framework Test Papers

QUESTION 4

URL : <https://www.facebook.com/>

NOTE: Enter the email & password and click login button using JavaScript.

QUESTION 5

URL : <http://adactinhotelapp.com/>

NOTE: Enter the username & password and click login button using JavaScript.

QUESTION 6

URL : <https://www.flipkart.com/>

NOTE: Enter the email & password and click login button using JavaScript.
print the user entered input

DATA DRIVEN

QUESTIONS(Theory)

- 1.What is mean by DataDriven?
- 2.What are the format available in Excel to read?
- 3.What are the Row and Column size of .Xls and .xlsx?
- 4.What are the jar file available to read/write in Excel sheet?
- 5.What is the use of FileInputStream?
- 6.What is mean by Workbook?
- 7.Whether Workbook is an Interface or class?
- 8.What is the method available to get particular sheet?
- 9.What is the purpose of getPhysicalNumberOfCells()?
- 10.What method is used to get particular Row?
- 11.What method is used to get particular cell?
- 12.What is the purpose of getPhysicalNumberOfRows()?
- 13.What is the purpose of getCellType()?
- 14.What are the possible output given by getCellType()?
- 15.What is the purpose of getStringCellValue() and its return type?
- 16.What is the purpose of getNumericCellValue() and its return type?
- 17.What method is used to replace the cell value?
- 18.What are the purpose of FileOutputStream?
- 19.How will you write data in Workbook?
- 20.How will you create new Sheet, Row, Cell?
- 21.What is the difference between .xls and .xlsx?
- 22.What is the difference between HSSF & XSSF Workbook?
- 23.What is the difference between jxl and apache POI jar file?

QUESTIONS(Practical)

Details for question 1 to 3

Create excel sheet with details of 10 students name and courses.

QUESTION 1

NOTE: Find the Total number of Rows and Total number of cells in excel sheet.

QUESTION 2

NOTE: Print all the data present in excel sheet.

QUESTION 3

NOTE: Insert one new row in the excel sheet.

QUESTION 4

URL : <https://demoqa.com/registration/>

NOTE: Create an excel sheet with all required details for registration .

QUESTION 5

URL : <http://www.adactin.com/HotelApp/>

NOTE: Create an excel sheet with all details required for Hotel Booking .

QUESTION 6

URL : <https://www.facebook.com/>

NOTE: Create an excel sheet for facebook email and password.

Login in to facebook by getting the input data from excel sheet using DataDriven and execute in maven.

QUESTION 7

URL : <https://www.facebook.com/>

NOTE: Create an excel sheet for facebook email and password.

Create a project in maven.

Login in to facebook by getting the input data from excel sheet.

Update the successful login or error message generated after login in excel sheet using DataDriven.

QUESTION 8

URL : <https://demoqa.com/registration/>

NOTE: Create an excel sheet with all required details for registration .

Register the form by getting the input data from excel sheet using DataDriven and execute in maven.

QUESTION 9

URL : <http://www.adactin.com/HotelApp/>

NOTE: Create an excel sheet with all details required for Hotel Booking .

Book a hotel using above url by getting the input data from excel sheet.

QUESTION 10

URL : <http://www.adactin.com/HotelApp/>

NOTE: Create an excel sheet with all details required for Hotel Booking .

Create a maven project.

Book a hotel using above url by getting the input data from excel sheet.

Update the orderNo generated after hotel booking in excel sheet using DataDriven.

QUESTION 11

URL : <https://my.naukri.com/account/register/basicdetails>

NOTE: Create an excel sheet with all details required for registration.

Create a maven project.

Register a form in above url by getting the input data from excel sheet.

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 @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

URL : <https://demoqa.com/registration/>

NOTE: Give the details and register the form and verify whether the input data's is correct or not by using Junit framework & POM framework.

QUESTION 4

URL : <https://www.flipkart.com/account/login>

NOTE: Enter the email and password and verify whether the input data is correct or not by using junit framework & POM framework.

QUESTION 5

URL : <https://demoqa.com/registration/>

NOTE: Create a project in maven and register the form by using POM & Junit framework and get the input data from excel sheet.

QUESTION 6

URL : <http://www.adactin.com/HotelApp/>

NOTE: Book a room by using POM & Junit framework and print the order no generated.

QUESTION 7

URL : <http://www.adactin.com/HotelApp/>

NOTE: Book a room by using POM ,Junit framework and get the input data from excel sheet and update the generated order no in excel.

QUESTION 8

URL : <http://www.adactin.com/HotelApp/>

NOTE: Create a project in maven and register the form by using POM & Junit framework and get the input data from excel sheet and update the generated order no in excel.

PAGE OBJECT MODEL

QUESTIONS(Theory)

- 1.What is mean by POM?
- 2.What are the types of POM?
- 3.What is meant by Annotations?
- 4.What are the page factory Annotations?
- 5.What is mean by pojo class?
- 6.How will you generate the pojo class?
- 7.Write the folder Structure used in POM?
- 8.What is the difference between @FindBy and @FindAll?
- 9.What is the use of POM?
- 10.What are the use of @cacheLookup?

QUESTIONS(Practical)

QUESTION 1

URL : <https://www.facebook.com/>

NOTE: Enter the username and password by using POM framework.

QUESTION 2

URL : <https://demoqa.com/registration/>

NOTE: Give the details to register the demoqa form by using POM framework.

QUESTION 3

URL : <http://www.greenstechnologys.com/>

NOTE 1 : In home page scroll down print the last line "greens technology overall reviews" and again scroll up and print the first line "NO 1 software training institute....".

NOTE 2 : Click certificaion and then click selenium course content. In that page print the paragraph below testimonial and print title selenium.

NOTE 3 : Click course(Mouse Over Action) and then click java training(Mouse over action) and then click core java training.
scroll down and print the line "Java training Reviews from Anitha"

NOTE 4 : Click career and scroll down till the end and print the email displayed at last.

NOTE 5 : Click testimonial and print the mobile number displayed in address and scroll down and print the last line "Thank you very much for your help and further help needed. and my special thanks to Mr. Sandeep"

NOTE 6 : Click Contact Us and print the line "Our Main Branches In Chennai" and scroll down and then print "Copyright © 2018 Greens Technology. All rights reserved."

QUESTION 4

URL : <https://demoqa.com/registration/>

NOTE: Register the form by using POM and data driven framework.

QUESTION 5

URL : <http://www.adactin.com/HotelApp/>

NOTE: Book a room by using POM and print the order no generated.

QUESTION 6

URL : <http://www.adactin.com/HotelApp/>

NOTE: Book a room by using POM and data driven framework and update the order no generated in excel.

TESTNG

QUESTIONS(Theory)

1. What is TestNG?
2. What is the difference between JUnit and TestNG?
3. What is the difference between TestNG V3 and V4?
4. What are all the annotations available in TestNG?
5. Explain the Execution order in TestNG?
6. How will you prioritize the test case?
7. If you set two methods same priority means, which method execute first?
8. what is the default method priority?
9. what is the latest TestNG version?
10. what is TestNG suite?
11. Why we are using TestNG.xml file?
12. How will you group the test cases in testng suite?
13. How will you pass the value using parameter?
14. What is @optional annotation?
15. what is the use of @dependsOnMethod annotation?
16. what is the use of @dependsOnGroup annotation?
17. What is TestNG Assert and list out common TestNG Assertions?
18. What is Hard Assert in TestNG?
19. What is Soft Assert in TestNG?
20. How to run test cases in parallel using TestNG?
21. How to exclude a particular test method from a test case execution?
22. How to disable a test case in TestNG ?
23. What are the different ways to produce reports for TestNG results?
24. What is the use of @Listener annotation in TestNG?
25. What is the use of @Test(invocationCount=x)?
26. What is the use of @Test(threadPoolSize=x)?
27. What are @Factory and @DataProvider annotation?
28. How to re-run the failed test cases?

QUESTIONS(Practical)

QUESTION 1

URL : <https://www.facebook.com/>

NOTE: Enter the username and password and verify whether the input is correct or not by using Testng framework.

QUESTION 2

URL : <https://www.redbus.in/>

NOTE: Click signin and enter the email and password and verify whether the input are correct or not by using Testng framework.

QUESTION 3

URL : <https://demoqa.com/registration/>

NOTE: Give the details and register the form and verify whether the input are correct or not by using Testng framework and access the locator by using POM framework.

QUESTION 4

URL : <https://www.flipkart.com/account/login>

NOTE: Enter the email and password and verify whether the input are correct or not by using Testng framework,POM framework.

QUESTION 5

URL : <https://demoqa.com/registration/>

NOTE: Register the form by taking the input from excel sheet(DataDriven) and use POM framework and also you have to create a project in maven and verify whether the input taken is correct or not by using Testng ,POM framework.

QUESTION 6

URL : <http://www.greenstechnologys.com/>

NOTE: Lanuch this website parallel in chrome,firefox,InternetExplorer browser.

QUESTION 7

URL : <https://www.flipkart.com/account/login>

NOTE: Write test method for enter username and password and execute parallel in chrome,firefox,InternetExplorer browser.

QUESTION 8

URL : <http://www.greenstechnologys.com/>

NOTE: Lanuch the browser in chrome and generate a report for that.

QUESTION 10

URL : <https://demoqa.com/registration/>

NOTE: Write some failed test case and you have to re-excute that failed test case and generate report that.

QUESTION 11

URL : <https://www.facebook.com/>

NOTE: Write a test method for entering email and password based on groups and execute it based on groups.

QUESTION 12

URL : <https://demoqa.com/registration/>

NOTE: Write seporate test case for each textbox based on groups and execute it based on groups.

QUESTION 13

URL : <https://demoqa.com/registration/>

NOTE: Write seporate test case for each textbox and you have to re execute the failed test case and generate the report for that.

QUESTION 14

URL : <https://mail.google.com/>

NOTE: Open Gmail application to perform LogIn which takes the two string argument as Username & Password as parameter using TestNG Annotation.

QUESTION 15

URL : <https://mail.google.com/>

NOTE: Open the Gmail application , Define the method credentials() which is defined as a Dataprovider using the annotation. This method returns array of object array.Add a method test() to your DataProviderTest class. This method takes two strings as input parameters. Add the annotation @Test(dataProvider = "Authentication") to this method. The attribute dataProvider is

mapped to "Authentication".

Cucumber:

QUESTIONS(Theory):

- 1.What is cucumber?
- 2.What language is used by Cucumber?
- 3.What is meant by a feature file?
- 4.What is the purpose of Scenario Outline in Cucumber?
- 5.What is the purpose of Step Definition file in Cucumber?
- 6.What are the major advantages of Cucumber framework?
- 7.What is the limit for the maximum number of scenarios that can be included in the feature file?
- 8.What symbol is used for parameterization in Cucumber?
- 9.What is the purpose of Examples keyword in Cucumber?
- 10.What is the purpose of Cucumber Options tag?
- 11.What is the meaning of TestRunner class in Cucumber?
- 12.What is the starting point of execution for feature files?
- 13.What is the use of glue property under Cucumber Options tag?
- 14.What is the maximum number of steps that are to be written within a scenario?
- 15.What are the difference between Jbehave and Cucumber?
- 16.What is the difference between BDD and TDD?
- 17.What are the two files required to run a cucumber test?
- 18.What is the two main purpose of using Gherkin?
- 19.What are the keywords used in Feature file?
- 20.What is the difference between Given, When, Then steps in feature file?
- 21.Explain background in feature file
- 22.What Is Cucumber tag,plugin,glue,monochrome,strict,feature, Dry Run?
- 23.How To Generate Cucumber Execution Reports?
- 24.How To Run A Particular Scenario From A Feature File ?
- 25.What are before, after, beforeStep and afterStep hooks?
- 26.How to Run Cucumber tests in parallel?

QUESTIONS(Practiac1):

QUESTION 1:

URL : <https://www.facebook.com/>

NOTE: Create a feature file for facebook login page.

QUESTION 2:

URL : <https://demoqa.com/registration/>

NOTE: Create a feature file for the firstname and lastname.

QUESTION 3:

URL : <https://demoqa.com/registration/>

NOTE: Create a feature file for registration form.

QUESTION 4:

URL : <https://www.facebook.com/>

NOTE: Execute the feature file of login page with one scenario.

QUESTION 5:

URL : <https://www.facebook.com/>

NOTE: Execute the feature file of login page with one scenario outline.

QUESTION 6:

URL : <https://demoqa.com/registration/>

NOTE: Execute feature file for registration form with one scenario.

QUESTION 7:

URL : <https://demoqa.com/registration/>

NOTE: Execute feature file for registration form with one scenario outline.

QUESTION 8:

URL : <https://www.facebook.com/>

NOTE: Execute the feature file of login page with one scenario and execute with plugin, tags, monochrome run with components.

QUESTION 9:

URL : <https://demoqa.com/registration/>

NOTE: Execute the feature file for registration with scenario outline and execute with some specific scenario.

QUESTION 10:

URL : <https://demoqa.com/registration/>

NOTE: Execute the feature file for registration with one scenario and execute with plugin, monochrome run with components.

QUESTION 11:

URL : <https://www.facebook.com/>

NOTE: Execute the feature file of login page with one scenario and you have to take the input from excel sheet.

QUESTION 12:

URL : <https://demoqa.com/registration/>

NOTE: Execute the feature file for registration with one scenario and you have to take the input from excel sheet.

QUESTION 13:

URL : <https://demoqa.com/registration/>

NOTE: Generate the scenario for each textbox in the same feature file and execute with glue, tags, plugin run with components.

QUESTION 14:

URL : <https://www.facebook.com/>

NOTE: Execute the feature file for registration with one scenario by using data driven and POM framework.

QUESTION 15:

URL : <https://demoqa.com/registration/>

NOTE: Execute the feature file for registration with one scenario by using data driven and POM framework.

QUESTION 16:

URL : <https://www.facebook.com/>

NOTE: Generate the scenario for registration page and login page in one feature file and execute with glue,tags,plugin runwith components.

QUESTION 17:

URL : <https://demoqa.com/registration/>

NOTE: Generate the scenario for registration page and login page in one feature file and execute with glue,tags,plugin runwith components.

QUESTION 18:

URL : <https://www.facebook.com/>

NOTE: Generate the scenario for registration page and login page in one feature file and execute with glue,plugin,dryrun,monochrome runwith components and also use Datadriven and POM framework.

QUESTION 19:

URL : <https://demoqa.com/registration/>

NOTE: Generate the scenario for registration page and login page in one feature file and execute with glue,plugin,strict,monochrome runwith components and also use Datadriven and POM framework.