

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(),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.

#### 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 : telgulangue

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.