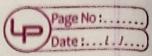


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	any obstration declared in us super class must	
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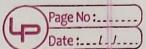
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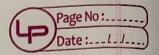
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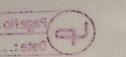
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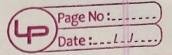
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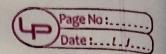
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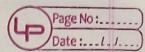


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(ach beiten board a soperate HTML downers.

A collection of frames in a browser hundre is known as frame sot. The window is can be du ded in bom sownages < (dumn major oppositing on the redinarment of 1804. · What is inner class 2 Explain is characteristics 11 If we use a class ensents another class it is rejeved as innor class. We use inner class to to be more readable + maintainment. Characoeristics !in I can access the members of order classo including powers data primpers a prethods. (11) Instance of orner class can be executed only within the slope of outer class. Ender class can across of the menter of us enclosing class, but the removes is not true (111) Members of whose class is accessed only is our (1V) Scope. 15046 2416 mily10

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12 class solethon_stakement
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2005025 - HITURAT Page Not. Page No:___ (5300 . 0 The output mul be 10 Since in the above code the 1st 2 year loop is used to assign the value on the jugged goody. and the another 2 loop is use to find the sum of the remaining of elements in that averay (A)+ (1+2)+ (1+2+3) :- sum = + 3 + 6



KALINGA INSTITUTE OF INDUSTRIAL TECHNOLOGY (KIIT)

Deemed to be University U/S 3 of UGC Act, 1956

WT ASSIG 1

• Name :HITU RAJ

Roll no. :2005025

Branch : CSE

```
// 5. Write a program that displays the results of a series of 10 coin
tosses. Use
// Math.random() function to generate a number between 0 and 1. After each
coin toss,
// display whether the toss represents 'heads' or 'tails'. If the result is
0.5 or less, the
// result represents 'heads'; otherwise, it represents 'tails'.

public class Main {
   public static void main(String[] args) {
      int i;
      for (i = 0; i < 10; i++) {
        if (Math.random() < 0.5) {
            System.out.println("Heads");
      } else {
            System.out.println("Tails");
      }
}</pre>
```

```
}
}
```

```
Windows PowerShell
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PS D:\my codes\web tech lab\assignment> cd "d:\my codes\web tech lab\assignment\" ; if ($?) { javac Main.java } ; if ($?) { java Main } Heads
Heads
Tails
```

```
// // 6. Write a program in Java to implement the concept of dynamic method
dispatch using
// method overriding.
import java.util.Scanner;

class trees {
   int no;
   void tree() {
      System.out.println("this is tree class");
   }
}

class mango extends trees {
   int no;
   void tree() {
      System.out.println("this is mango class");
   }
}
```

```
class apple extends mango {
    int no;
    void tree() {
        System.out.println("this is appple class");
    }
public class q2
    public static void main(String[] args) {
int x;
        Scanner sc=new Scanner(System.in);
        System.out.println("from the object of apple class and mangoclass
acceesing method of tree class ehich is inherited hierachial");
        mango m = new apple();
        m.tree();
        trees a= new mango();
        a.tree();
```

```
Windows PowerShell
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PS D:\my codes\web tech lab\lab9_inherit> cd "d:\my codes\web tech lab\lab9_inherit\"; if ($?) { javac q2.java }; if ($?) { java q2 } this is appple class and mangoclass acceesing method of tree class ehich is inherited hierachial this is mango class

PS D:\my codes\web tech lab\lab9_inherit>
```

```
// 7. Write a program in Java to implement constructor overloading.
class shape {
   void area() {
        System.out.println("the is use to calculate area method");
   void showarea() {
        System.out.println("this the use to siplay area");
    }
class circle extends shape {
    int r = 20;
   float area;
   void area(int x) {
        area = (float) 3.14 * x * x;
    }
   void showarea() {
       System.out.println("area of circle is " + area);
    }
class rectangle extends shape {
   int l = 5, b = 3;
   float area;
   void area(int x, int y) {
       area = (float) l * b;
    }
   void showarea() {
        System.out.println("area of rectangle is " + area);
    }
public class q3_area
   public static void main(String[] args) {
        circle m = new circle();
```

```
m.area(20);
m.showarea();

rectangle a = new rectangle();
a.area(20, 40);
a.showarea();
}
```

```
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PS D:\my codes\web tech lab\lab9_inherit> cd "d:\my codes\web tech lab\lab9_inherit\" ; if ($?) { javac q3_area.java } ; if ($?) { java q3_area } area of circle is 1256.0 area of rectangle is 15.0 
PS D:\my codes\web tech lab\lab9_inherit>
```

```
// 8. Write a program that prompts the user to input two numbers, first and
diff. The
// program then creates a one dimensional array of 10 elements and
initializes them with
// an arithmetic sequence. The first number of the sequence is the first
value and the
// next number is generated by adding the diff to the number preceding it.
This formula
// is repeated for the rest of the sequence. E.g. if first =11 and diff = 4,
then the
// arithmetic sequence will be 11, 15, 19, 23, 27, 31 ... and so on.
import java.util.*;
public class Q8other {
    public static void main(String args[]) {
        Scanner sc = new Scanner(System.in);
        System.out.print("Enter first- ");
        int first = sc.nextInt();
```

```
Windows PowerShell
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Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS D:\my codes\web tech lab\assignment> cd "d:\my codes\web tech lab\assignment\"; if ($?) { javac Q8other.java }; if ($?) { java Q8other } Enter diff- 5
Enter diff- 5
The arithematic sequence is:
25,30,35,40,45,50,55,60,65,70
PS D:\my codes\web tech lab\assignment> ■
```

```
// 10. Implement the concept of abstract class for the following:
import java.util.*;
abstract class Q10 {
   abstract int moneyconversion();

static class rupeetodollar extends Q10 {
   int moneyconversion() {
     return 78;
   }
}
```

```
static class rupeetoeuro extends Q10 {
    int moneyconversion() {
      return 85;
    }
  }
  public static void main(String args[]) {
    int x;
    System.out.println("Enter your amount in rupees:");
    Scanner sc = new Scanner(System.in);
    x = sc.nextInt();
    Q10 obj;
    obj = new rupeetodollar();
    System.out.println("Your amount in dollars is =" + (x /
obj.moneyconversion()));
    obj = new rupeetoeuro();
    System.out.println("Your amount in euro is =" + (x /
obj.moneyconversion()));
```