Write a program in Java to calculate sum of two and display the result. hum bels impont java. io. \*; class int x, y, sum = 0; void getdata () void calculate () System. oud . println (" Sum is; "+ sum); Public class Main Epublic static void main (String args []) Add a1 = new Add (); al. getdata (); al. calculate (); Dutput: Sum is : 30

1) Write a Java program to find factorial of a number. import java. io. \*; class fact int j, f = 1;void calculate () for (i=1; i<=5; i++) 1=1 ×1; System. out. println ( Yactorial is: "+f); public class Main ¿ public static void main (String args []) [ fact f = new fact (); f. calculate (); Factorial is: 120

Ourput :

WAP in Java to print "Hello Brainware University".

import java.io.\*;

class printe

public

void print()

{
 System.out.println ("Hello Brainware University");

}

class Main

{
 public static void main (String angs [])

{
 printe printe();

 printe();

}

Output:

Hello Brainware University

```
DAP in Java to perform Basic Arithmetic Operations.
import yava. io. *;
import java. util. Scanner;
class maths
¿ public
  lint a, b, s=0, d=0, p=1, q=1;
  void getdata ()
  ¿ Scanner sc = new Scanner (System. in);
    System. out. printlu ("Enter that values of a and b:");
    a = sc. nextInt ();
    b = SC nextInt 1);
  I void calc to
          S= a+b;
          d = a - b
          P = a * 6
         System.out. println ("i) sum = "+s + " | n 2) Difference="
                           +d+"1n3) Product="+p+
                             " In guotient = " + 9);
    3
3 class Main
      ¿ public static void main (String args [])
         1 maths m = new maths ();
            m. getdata ();
            m. (calse ();
              Enter the values of a and b!
  Output !
                 Sum = 7
                ) Difference = -1
                 product = 12
                  Quotient = 0
```

WAP in Java to calculate the alea of a given radius import java. io. \*; import java. util. Scarner; class cincle l public int si double pi=3.14, a; void calcarea () Scanner sc = new Scanner (System.in); System. out. printle (" Enter the radius: "); n = sc. nextInt (); a= pi \* 4 \* 4; System. out. pointle ("Area = "+a); class Main E public static void main (Stering args []) { circle e = new circle (); c.calcarea(); Output: Enter the nadius:

> 7 Arrea = 153.86

```
WAP in Java to convert temperature from celcius
   Fahrenkeit, taking user input.
import java, io. *
import java, util. Scanner;
class temp
 ¿ public
   double c, f=0;
    void convert ()
    L'Scanner sc = new Scanner (system.in);
      System. out priater (" Enter temp in celcius:");
        (= sc. nextDouble();
       f= c*9/5+32;
       System. out . pointla ( Temp in fahrenheit :4f);
     class Main
     ¿ public static void main (string args [])
       [ temp t = new temp ();
          t. convert ();
             Enter temp in calcius:
             Temp in fahrenheit: 212.0
```

```
WAP in Java to Swap two numbers.
import java. io. *;
import java. util. Scanner;
class sp
 ¿ public
   int a, b;
   noid swap ()
  Escarrer sc = new Scanner (system.in);
    System. out. println (" Enter values of a and b:");
     a ? Sc. next Int ();
    b = sc. nextInt ()
    System. out. printin ("Nos. before ewapping: "+a+"and"+b))
                println ("Nos. after ewapping: "+a + "and"
+b
    class Main ()
   ¿ public static void main (String args [])
       [ ep s = new sp ();
         s. swap();
output: Enter values of a and b;
        Nos. Lefore swapping 1 23 and 56
        Nos. after swapping: 56 and 23
```

WAP in Java to check whether a number is Point on not. import java.io. 4; java. util. Scanner; class prime ¿ public lint n; void check () ¿ Scanner sc = new Scanner (System.in); System. out. printle ("Enter number: "); = Sconextint (); int i, c=0; if (n== altn==1) System. out. printle (n+ " is not a prime rumber"); { for (i=2; i<=n/2; i++) if (n% i==0) Esystem. out. printle (n t " is not a prime number "); 2 break; if (c = 20) system. out. println (n + "is a prime number"); class Main public static hoid main (Struing args []) I prime p=kew prime (); Enter number: Output : is a prime number

Java to access Private members (fields/methods). import java. co. \*; int n, y, sum = 0; public void getdata() E n=40 y= 20; calculate (); private void calculate () Sum = n+y; System. out. println ("Sum is = " + sum); class Main E public static void main (String augs[]) { Add a = new Add(); a. getdata (); Output: Sum is = 30

```
DAP un Java to demonstrate method overloading,
 import java. io. *;
class Add
 { int x, y, s=0;
   public
     void getdata (int a, int b) { x = a;
     34= 6;
     uoid getdata (int a)
     2 x=y=a;
    uoid getdata ()
     2 x=10;
     3 7 = 20;
     noid calculate ()
    { Sum = x + y;
System.out.puintln ("Sum = "+s);
  3 - class Main
    ¿ public static word main (Itring args [])
          Add al = new Add ();
          Add a2 = new Add ();
          Add a3 = new ddd ();
         al.getdata ();
         a2 lgetdata (5,7);
         a. getdata (13);
         al. calculate ();
         A2. calculate ()
        a3. calculate ()
Output :
              Sum = 30
               Sum = 12
               Sum = 26
```

## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Name: Aushika Majumdar Student Code: BWV/BTA/22/403

Course Code: PCC - CSM 493

SI. No	Topic Name	Date of Experiment	Signature with Date	Remarks
1.	WAP in Java to calculate sum of two numbers	13.02.2029	(03)	
2.	WAP in Java to find factorial of a number	13.02.2024	13/2/24	
3.	WAP in Java to print- Hello Brainware Universit			
4.	WAP in Java to perform basic anithmetic operations			
5.	was in Java to area of circle with given radius	2	104	
6.	WAP to convert temp. from C to F.	720.2.24	1931	
7.	WAP to swap two nos.		20/2/2	4
8.	WAP to check Prime no.			
9.	wap to access private member in Java	4 5 4		
10,	WAP to demonstrate method overloading			
11.	WAP to demonstrate constructor overloading	was a significant		en de la companion de la compa
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