**Date : 21-08-2020**

1.WAP to find area of a circle,a rectangle and a triangle using concept of function overloading.

OUTPUT:

12

6

3

2.WAP to find volume of a sphere, a cylinder and a cuboid using function overloading.

OUTPUT:

113

169

162

3.WAP which displays a given character,n no of times using a function.When the n value is not provided, it should print the given character 80 times.When both the character and n value is not provided, it should print’\*’ character 80 times.

OUTPUT:

AAAAAA

AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

4.WAP to find square and cube of a number using inline functions.

OUTPUT:

9

27

5.WAP to swap two integers using pass by reference.

OUTPUT:

Enter the numbers:

12

3

a =3

b =12

6.WAP to increment the value of an argument given to function.

OUTPUT:

9

10

7.WAP to display no. From 1 to 10 by using static data member.

OUTPUT:

10

1 2 3 4 5 6 7 8 9 10

8.WAP to find simple interest by using static data member and member function.

OUTPUT:

12000

10

3

3600

9.WAP to display to enter student roll,name,mark and display their cgpa by using static member function.

OUTPUT:

Enter the name: KIITian

Enter the roll: 1905000

Enter the marks: 12

13

15

Name: KIITian

Roll: 1905000

Cgpa: 1.40351

10.WAP to over load area(circle,rectangle)function by using static member function.

OUTPUT:

Enter the radius: 10

Enter the length: 20

Enter the breadth: 30

Area of circle: 314

Area of rectangle: 600

11.WAP in c++ to design a class Employee having data member empid,ename,basic,TA,DA and Gross.Create a static data member bonus shared by all employees.

Use read() member function to read data.

Use show() member function to display data.

Use calc() member function to calculate TA=30%of basic and DA=0%of basic and Gross salary.Read data for n employees.

OUTPUT:

3

Enter id: 1905001

Enter name: man1

Enter basic: 12000

Enter bonus: 3000

Enter id: 1905002

Enter name: man2

Enter basic: 30000

Enter bonus: 15000

Enter id: 1905003

Enter name: man3

Enter basic: 17000

Enter bonus: 3000

Name :man1

Id :1905000

Basic :12000

TA :3600

DA :8400

Bonus :3000

Gross :27000

Name :man2

Id :1905002

Basic :30000

TA :9000

DA :21000

Bonus :3000

Gross :63000

Name :man3

Id :1905003

Basic :17000

TA :5100

DA :11900

Bonus :3000

Gross :37000

12.WAP in c++ to design a class complex having data member real and imaginary.Use apppropriate member function to perform i/o operations.

Create two objects and add them.

OUTPUT:

Enter real part: 3

Enter imaginary part: 6

Enter real part: 5

Enter imaginary part: 6

Sum is: 8+i12

13.WAP in c++ to design a class complex having data member real and imaginary.Use appropriate member function to perform i/o operations.

Create two objects and add them and store the result in the third object.

OUTPUT:

Enter real part: 3

Enter imaginary part: 6

Enter real part: 1

Enter imaginary part: 5

4+ i11