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**LAB 1**

**ASSIGNMENT NO. 1**

**CONCEPT OF PROGRAMMING**

**Q1.**

**package** lab\_1;

//Q 1 Java program to print welcome message.

**public** **class** Welcome {

**public** **static** **void** main(String[] args) {

System.***out***.println("Welcome");

}

}

Output:

Welcome

Q2.

**package** lab\_1;

//Q 2 Java program to print sum of three float numbers

**public** **class** Floataddition {

**public** **static** **void** main(String[] args) {

**float** f1=50.50f;

**float** f2= 49.50f;

**float** f3=50.50f;

**float** f4=f1+f2+f3;

System.***out***.println(f4);

}

}

Output:

150.5

**Q3.**

**package** lab\_1;

//Q 3 Java Program to Swap Two Numbers

**public** **class** Swapping {

**public** **static** **void** main(String[] args) {

**int** num1 = 50;

**int** num2 = 100;

System.***out***.println("Before Swapping num1="+num1 + "num2="+num2);

**int** temp=num1;

num1=num2;

num2=temp;

System.***out***.println("After Swapping num1="+num1 + "num2="+num2);

}

}

Output:

Before Swapping num1=50num2=100

After Swapping num1=100num2=50

**Q4.**

**package** lab\_1;

//Q 4 Wap to check if number is even or odd

**import** java.util.Scanner;

**public** **class** Even\_Odd {

**public** **static** **void** main(String[] args) {

Scanner s=**new** Scanner(System.***in***);

System.***out***.println("Enter Number:");

**int** num=s.nextInt();

**if**(num%2 == 0)

System.***out***.println("Number Is Even");

**else**

System.***out***.println("Nnumber Is Odd");

s.close();

}

}

Output:

Enter Number:

58

Number Is Even

**Q5.**

**package** lab\_1;

//Q5 wap to check from three given number that whether a number is greater than or equal to 20 and less than other numbers .print appropriate message .

**public** **class** Q5 {

**public** **static** **void** main(String[] args) {

**int** num1= 100;

**int** num2= 200;

**int** num3= 300;

**if**(num1>=20 && num1<num2 && num1<num3)

System.***out***.println("Condition Satisfied");

**else**

System.***out***.println("Condition Not Satisfied");

}

}

Output:

Condition Satisfied

Q5.

**package** lab\_1;

//Q5 wap to check from three given number that whether a number is greater than or equal to 20 and less than other numbers .print appropriate message .

**import** java.util.Scanner;

**public** **class** Q5\_User\_Input {

**public** **static** **void** main(String[] args) {

Scanner s = **new** Scanner(System.***in***);

System.***out***.println("Enter First Number:");

**int** num1= s.nextInt();

System.***out***.println("Enter Second Number:");

**int** num2= s.nextInt();

System.***out***.println("Enter Third Number:");

**int** num3= s.nextInt();

**if**(num1>20 && num1<num2 && num1<num3)

System.***out***.println("Condition Satisfied");

**else**

System.***out***.println("Condition Not Satisfied");

}

}

Output:

Enter First Number:

50

Enter Second Number:

100

Enter Third Number:

200

Condition Satisfied

Q7.

package lab\_1;

//Q7 wap to check if sales of a person is greater than 10000 then eligible for bonus

//else not eligible calculate bonus as 20% of sales .

import java.util.Scanner;

public class Q7 {

public static void main(String[] args) {

Scanner s =new Scanner(System.in);

float sales;

float bonus;

System.out.println("Sales:");

sales=s.nextFloat();

if(sales>10000)

{

bonus =sales\*.2f;

System.out.println("Eligible for bonus :"+bonus);

}

else

System.out.println("Not eligible for bonus");

}

}

Output:

Sales:

20000

Eligible for bonus :4000.0

Q8.

**package** lab\_1;

//Q 8 wap to check if two given integer value is in range of 18 and 100 print eligible for voting else not eligible .

**import** java.util.Scanner;

**public** **class** Ifelse {

**public** **static** **void** main(String[] args) {

Scanner s = **new** Scanner(System.***in***);

System.***out***.println("Enter Age of a:");

**int** a = s.nextInt();

System.***out***.println("Enter Age of b:");

**int** b = s.nextInt();

**if**(a>=18 && a<=100)

System.***out***.println("a is Eligible For Voting");

**else**

System.***out***.println("a is Not Eligible For Voting");

**if**(b>=18 && b<=100)

System.***out***.println("b is Eligible For Voting");

**else**

System.***out***.println("b is Not Eligible For Voting");

}

}

Output:

Enter Age of a:

10

Enter Age of b:

45

a is Not Eligible For Voting

b is Eligible For Voting

Q9.

**package** lab\_1;

//Q 9 wap to print average of given five subjects marks of student and check if average >=40 print Pass else print fail

**public** **class** Q9 {

**public** **static** **void** main(String[] args) {

**int** sub1= 95;

**int** sub2= 90;

**int** sub3= 99;

**int** sub4= 96;

**int** sub5 =98;

**int** avg =(sub1+sub2+sub3+sub4+sub5)/5;

System.***out***.println("Average of Marks:"+avg);

**if**(avg>=40)

System.***out***.println("Pass");

**else**

System.***out***.println("Fail");

}

}

Output:

Average of Marks:95

Pass

Q10.

**package** lab\_1;

//Q10 WAP to ask name ,age and salary of an employee and print on console.

**import** java.util.Scanner;

**public** **class** Q10 {

**public** **static** **void** main(String[] args) {

Scanner s= **new** Scanner(System.***in***);

String Name;

**int** Age;

**float** Salary;

System.***out***.println("Enter Employee Name:");

String name= s.nextLine();

System.***out***.println("Enter Age:");

**int** age= s.nextInt();

System.***out***.println("Enter Sallary:");

**float** Sal=s.nextFloat();

System.***out***.println("Name Of Employee:"+name);

System.***out***.println("Age:"+age);

System.***out***.println("Salary:"+Sal);

}

}

Output:

Enter Employee Name:

Rushikesh Wadje

Enter Age:

25

Enter Sallary:

150000

Name Of Employee:Rushikesh Wadje

Age:25

Salary:150000.0

**Q11.**

**package** lab\_1;

//Q 11 wap that ask two numbers from user and print greater number among two

**import** java.util.Scanner;

**public** **class** Q11 {

**public** **static** **void** main(String[] args) {

Scanner s = **new** Scanner(System.***in***);

System.***out***.println("Enter Two Numbers:");

**int** num1=s.nextInt();

**int** num2=s.nextInt();

**if**(num1>num2)

System.***out***.println("Num1 Is Greater:"+num1);

**else**

System.***out***.println("Num2 Is Greater:"+num2);

}

}

Output:

Enter Two Numbers:

50

100

Num2 Is Greater:100

Q12.

package lab\_1;

//Q 12 wap to ask product name and price of product from user and calculate discount i.e

//if price > 2000 then discount is 10 percent of price

//else discount is 7 % of price

import java.util.Scanner;

public class Q12 {

public static void main(String[] args) {

Scanner s = new Scanner(System.in);

String name;

float price;

float discount;

System.out.println("Produt Name:");

name=s.nextLine();

System.out.println("Product Price:");

price=s.nextFloat();

if(price>2000)

{

discount=price\*.1f;

System.out.println("Discount on product is :"+discount);

}

else

{

discount=price\*.07f;

System.out.println("Discount on product is :"+discount);

}

}

}

Output:

Produt Name:

Mobile

Product Price:

20000

Discount on product is :2000.0