Q 1 Java program to print welcome message.

```
2 public class Welcome {
∆⊖
                                                                                                                           public static void main(String[] args) {

    ☑ JavaOperators
    ☑ JavaUnaryOperator

                                                                                    5
                                                                                                                                                     // TODO Auto-generated method stub
6
                                                                                                                                                System.out.println("Welcome");
 7
                                                                                    8
⊯ Lab1
                                                                                  9 }
  > M JRE System Library [Ji
v # src
v # (default package)
                                                                             10
                > I FloatSum.java
                > 🔝 OddandEven.j
                      Q10.java
Q11.java
                    Q12.java
                 > D Q5.iava
                                                                           □ Console × 🖺 Problems 🗓 Debug Shell
                    Q9.java
                      SwapNumber.
                                                                            <terminated > Welcome [Java Application] C\Users\Venkatesh Walunj\.p2\poo\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.02.v20220201-1208\jre\bin\javaw.exe (17-5ep-2022, 8:32:02 am - 8:32:0
                    Welcome.java
                                                                       Welcome

    ☑ LoopExample
    ☑ Marvel5

i mathlearn
```

Q 2 Java program to print sum of three float numbers

```
2 public class FloatSum {
40
                          public static void main(String[] args) {
// TODO Auto-generated method stub

☑ JavaUnaryOperator

                  5
float a=32.5464f;
float b=89.5464f;
float c=54.5464f;
∨ 

Lab1
                  9
                                 float sum=a+b+c;
 > M JRE System Library
                                 System.out.println("Sum of float Numbers are="+sum);
    > 

FloatSum.java
                12
                          }
     Q10.java
     Q11.java
                13
     Q12.java
                14 }
     Q5.java
     Q7.java
     Q8.java
                □ Console × 🖭 Problems 🗓 Debug Shell
     Q9.java
                  rminated > FloatSum [Java Applicat
                                                                iusti.openidk.hotspot.ire.full.win32.x86.64.17.0.2.v20220201-1208\ire\bin\javaw.exe (17-Sep-2022, 8:34:45 am - 8:34:45 am) [pid: 316]
                Sum of float Numbers are=176.6392
⇒ ⇔ LoopExample
⇒ ₩ Marvel5
⇒ 😂 mathlearn
⇒ 💕 New
```

Q 3 Java Program to Swap Two Numbers

```
    interface4
    JavaArithmaticOperator

                2 public class SwapNumber {
public static void main(String[] args) [
                4⊕
// TODO Auto-generated method stub
5
                6
                             int a=23;
7
                             int b=65;
System.out.println("Value of a="+a+" value of b="+b);
                8
₽ Lab1
                9
                           int x=a;

⇒ M JRE System Library [

✓ ૐ src

✓ ૐ (default package)
                             a=b;
               11
                             b=x:
    FloatSum.java
   Ø OddandEven.i
               12
                             System.out.println("Value of a="+a+" value of b="+b);
    Q10.java
              13
    Q11.java
                      }
    Q12.java
Q5.java
              14
    Q7.java
    Q8.iava
    Q9.java
    SwapNumber.j
                                                       ins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.2.v20220201-1208\jre\bin\javaw.exe (17-Sep-2022, 8:36:15 am – 8:36:15 am) [pid: 22040]
              Value of a=23 value of b=65
Value of a=65 value of b=23
```

Q 4 Wap to check if number is even or odd

```
> # HelloWorld
                                                                         import java.util.Scanner;
> 📂 HelloWorld1
                                                                  2 public class OddandEven {
> # Interface4
> 🔀 JavaArithmaticOperator
                                                                                        public static void main(String[] args) {
                                                                  4⊖
> 🔀 JavaBitwiseAndLogical8
                                                                                                  // TODO Auto-generated method stub
> 🔀 JavaLeftShiftOperator
> 🐸 JavaOperators
                                                                  6
                                                                                                      Scanner obj=new Scanner(System.in);
> 🔀 JavaUnaryOperator
                                                                                                       System.out.println("Enter the number = ");
> 📂 JavaVariables
                                                                  8
                                                                                                      int a;
> 📂 JavaVaribles
                                                                  9
                                                                                                       a=obj.nextInt();
> 📂 keywords
> 📂 keywordsInstance
 > 📂 kl
                                                                11
                                                                                                                                    int a=562;
∨ 📂 Lab1
                                                                                                       if (a%2==0)
                                                               12
      > 🛋 JRE System Library [Ji
                                                               13
                                                                                                                      System.out.println("The given number is Even");
      v 🕮 src
                                                               14
                                                                                                       else
           v 🚜 (default package)
                                                               15
                                                                                                       System.out.println("The given number is Odd");
                 16
                > 🕖 OddandEven.ja
                                                           17
                                                                                        }
                > 🕖 Q10.java
                > 🔊 O11.iava
                                                               18
                > 🔊 O12.iava
                                                              19 }
                > 🗓 Q5.java
                > 🕖 Q7.java
                > A O8.iava
                > 🔊 O9.iava
                                                             ■ Console × 📳 Problems 🗓 Debug Shell
                > 

SwapNumber.j
                                                           < terminated > Odd and Even \ [Java Application] \ C:\ (Users \ Wenkatesh \ Walunj), p2\ pool\ plugins\ org. eclipse. justj. openjdk. hot spot. jre. full. win 32. x86\_64\_17.0.2. v202. where \ ful
                > 🛭 Welcome.java
                                                           Enter the number =
> 🐸 LoopExample
> 🔐 Marvel5
                                                            The given number is Odd
> 📂 mathlearn
> 🔐 New
> 🗃 onlinebanking.zip_expar
 > 📂 PremitiveDataType
 > 📂 premitiveExample
```

Q 5 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) {
    // TODO Auto-generated method stub
    Q 5 swap to check from three given number
    that whether a number is greater than or equal to 20

        ⇒ JavaLeftShiftOperator

        ⇒ JavaOperators

 and less than other numbers .print appropriate message .
 JavaVaribles
                                                                                                                                                             c
|
|>=20<b
 keywords
                                                                                                                                                    int a=20;
int b=20;
int c=12;
if (a>=20 && a<=b && a<=c)
    System.out.println("Condition is true all numbers are greater than 20");
else System.out.println("Condition is false");</pre>
 ⊯ kl
 ⊯ Lab1
   > ■ JRE System Library [Ji
∨ ጮ src
∨ ඎ (default package)
                    > / FloatSum.java
                    > 🕖 OddandEven.ia
                         Q10.java
Q11.java
                          Q12.java
                         Q5.java
                         Q7.java
Q8.java
Q9.java
                                                                                        $$ \vec{S} [Java Application] \ C\Users\Venkatesh Walun]\ p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86\_64\_17.0.2.v20220201-1208\pre\pin\javaw.exe (17-Sep-2022, 83958 am - 83958 am) [pid: Condition is false] \ for the part of the part o
                          SwapNumber.

☑ Welcome.iava
```

Q 7 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 .

```
> 📂 HelloWorld
                                                                            import java.util.Scanner;
public class Q7 {
› 🗃 Interface4
                                                                                        public static void main(String[] args) [
   / TODO Auto-generated method stub
wap to check if sales of a person is greater than 10000 then eligible for bonus
> 📂 JavaBitwiseAndLogical8
> 🐸 JavaLeftShiftOperator
                                                                                                    else not eligible calculate bonus as 20% of sales
⇒ B JavaOperators
→ B JavaUnaryOperator
                                                                                                    Scanner obj=new Scanner (System.in);
> 📂 JavaVariables
                                                                                                       System.out.println("Enter the Seals Amount: ");
> 📂 JavaVaribles
> 📂 keywords
> 📂 keywordsInstance
                                                                                                       if (a>10000)
⇒ 📂 kl

✓ № Lab1

                                                                                                                   System.out.println("Seals is graeter than 10000");
     > M JRE System Library [Ja
                                                                                                                   int bouns;
                                                                                                                   bouns=(a*20/100);

✓ 

Æ src

                                                                                                                   System.out.println("Then Bounses are ="+bouns);
           v 🔠 (default package)
                      ☑ FloatSum.java
                 > 🕖 OddandEven.ja
                > 🔊 O10.iava
                > 💹 Q11.iava
                                                                                                                   System.out.println("Seals is Less than 10000 heance eligible for the bounces");
                > 🔑 Q12.java
                 > 🗓 Q5.java
                 > 🕖 Q7.java
                 > 🔑 Q8.java
                 > 🔑 Q9.java
                                                                 □ Console × 🔝 Problems 🗓 Debug Shell
                                                                 <terminated> Q7 [Java Application] C\Users\Venkatesh Walunj\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32x86_64_17.0.2v20220201-1208\jre\bigselipse.justj.openjdk.hotspot.jre.full.win32x86_64_17.0.2v20220201-1208\jre\bigselipse.justj.openjdk.hotspot.jre.full.win32x86_64_17.0.2v20220201-1208\jre\bigselipse.justj.openjdk.hotspot.jre.full.win32x86_64_17.0.2v20220201-1208\jre\bigselipse.justj.openjdk.hotspot.jre.full.win32x86_64_17.0.2v20220201-1208\jre\bigselipse.justj.openjdk.hotspot.jre.full.win32x86_64_17.0.2v20220201-1208\jre\bigselipse.justj.openjdk.hotspot.jre.full.win32x86_64_17.0.2v20220201-1208\jre\bigselipse.justj.openjdk.hotspot.jre.full.win32x86_64_17.0.2v20220201-1208\jre\bigselipse.justj.openjdk.hotspot.jre.full.win32x86_64_17.0.2v20220201-1208\jre\bigselipse.justj.openjdk.hotspot.jre.full.win32x86_64_17.0.2v20220201-1208\jre\bigselipse.justj.openjdk.hotspot.jre.full.win32x86_64_17.0.2v20220201-1208\jre\bigselipse.justj.openjdk.hotspot.jre.full.win32x86_64_17.0.2v20220201-1208\jre\bigselipse.justj.openjdk.hotspot.jre.full.win32x86_64_17.0.2v20220201-1208\jre\bigselipse.justj.openjdk.hotspot.jre.full.win32x86_64_17.0.2v20220201-1208\jre\bigselipse.justj.openjdk.hotspot.jre.full.win32x86_64_17.0.2v20220201-1208\jre\bigselipse.justj.openjdk.hotspot.jre.full.win32x86_64_17.0.2v20220201-1208\jre\bigselipse.justj.openjdk.hotspot.jre.full.win32x86_64_17.0.2v20220201-1208\jre\bigselipse.justj.openjdk.hotspot.jre.full.win32x86_64_17.0.2v20220201-1208\jre\bigselipse.justj.openjdk.hotspot.jre.full.win32x86_64_17.0.2v20220201-1208\jre\bigselipse.justj.openjdk.hotspot.jre.full.win32x86_64_17.0.2v20220201-1208\jre\bigselipse.justj.openjdk.hotspot.jre.full.win32x86_64_17.0.2v20220201-1208\jre\bigselipse.justj.openjdk.hotspot.jre.full.win32x86_64_17.0.2v20220201-1208\jre\bigselipse.justj.openjdk.hotspot.jre.full.win32x86_17.0.2v2020201-1208\jre\bigselipse.jre.full.win32x86_17.0.2v2020201-1208\jre\bigselipse.jre.full.win32x86_17.0.2v2020201-1208\jre\bigselipse.jre.full.win32x86_17.0.2v2020201-120
                 > N SwapNumber.i
                 Enter the Seals Amount:
> 📂 LoopExample
                                                                Seals is graeter than 10000
> 📂 Marvel5
 > 📂 mathlearn

₱ onlinebanking.zip_expar
```

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

```
> 📂 HelloWorld
                               import java.util.Scanner;
                              public class Q8 {
> 📂 HelloWorld1
> # Interface4
                                   public static void main(String[] args) {
                            4⊖
> 📂 JavaArithmaticOperator
                                        // TODO Auto-generated method stub
> 📂 JavaBitwiseAndLogical8
                            6 //
                                        wap to check if two given integer value is in range
> 📂 JavaLeftShiftOperator
                                        of 18 and 100 print eligible for voting else not eligible .
> 📂 JavaOperators
                            8
                                        Scanner obj=new Scanner (System.in);
> 📂 JavaUnaryOperator
                            9
                                        int a;
                                        System.out.println("Enter the age of Person");
⇒ BlavaVariables
                                        a=obj.nextInt();
> 📂 JavaVaribles
> 📂 keywords
                           13
                                        if(a>=18 && 100>=a)
> 📂 keywordsInstance
> 📂 kl
                                             System.out.println("Person age is eligible for voting");
                           15
∨ ⊯ Lab1
                           16
  > 🛋 JRE System Library [Ja
                                        else
                           18
                                        -{

√ Æ src

                           19
                                             System.out.println("Person age is NOT eligible for voting");
    20
      > II FloatSum.java
       > 🕖 OddandEven.ja
                                   }
      > 🔎 Q10.java
                           23
       > 🕖 Q11.java
                           24 }
                           25
       > 🕖 Q12.java
       > 🛭 Q5.java
       > 🕖 Q7.java
       > 🕖 Q8.java
       > A Q9.java
                          ■ Console ×  Problems  Debug Shell
       > D SwapNumber.j
                          <terminated> Q8 [Java Application] C:\Users\Venkatesh Walunj\,p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x
       > 🛭 Welcome.java
                          Enter the age of Person
> 📂 LoopExample
                          Person age is NOT eligible for voting
> 醚 Marvel5
> 📂 mathlearn
```

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

```
1 import java.util.Scanner;
  2 public class Q9 {
  3⊖
        public static void main(String[] args) {
            // TODO Auto-generated method stub
            wap to print average of given five subjects marks of student and check
  6 //
            if average >=40 print Pass else print fail
6

9 7

9 8

9 9

9 10
            Scanner obj = new Scanner(System.in);
            Scanner obk= new Scanner(System.in);
            Scanner obl= new Scanner(System.in);
            Scanner obm = new Scanner (System.in);
0.11
            Scanner obn= new Scanner(System.in);
            int a;
            int b;
            int c;
            int d;
            int e;
           System.out.println("Please Enter your First subjest marks here :");
 17
 18
            a=obj.nextInt();
          System.out.println("Please Enter your Second subjest marks here :");
b=obk.nextInt();
 19
 20
 21
          System.out.println("Please Enter your Third subjest marks here :");
            c=obl.nextInt();
          System.out.println("Please Enter your Four subjest marks here :");
            d=obm.nextInt();
           System.out.println("Please Enter your fifth subjest marks here :");
            e=obn.nextInt();
            float Avg=(a+b+c+d+e)/5;
 28
            if (Avg>=40) System.out.println("Congrats Student is Pass");
 29
            else
                            System.out.println("Student is Fail");
 30 //
             a.obj();
 31
         }
 32 }
■ Console ×  Problems  Debug Shell
<terminated> Q9 [Java Application] C:\Users\Venkatesh Walunj\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_6
Please Enter your First subjest marks here :
Please Enter your Second subjest marks here :
Please Enter your Third subjest marks here :
Please Enter your Four subjest marks here :
Please Enter your fifth subjest marks here :
Congrats Student is Pass
```

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

```
> 📂 Helloworia
                                      import java.util.Scanner;
                                   2 public class Q10 {
> 📂 HelloWorld1
> 💕 Interface4
                                           public static void main(String[] args) {
> 📂 JavaArithmaticOperator
                                                    TODO Auto-generated method stub
                                   6 // Q10 WAP to ask name ,age and salary of an employee and print on console.
> 📂 JavaBitwiseAndLogical8
> 📂 JavaLeftShiftOperator
                                               Scanner obj=new Scanner(System.in);
Scanner obl=new Scanner(System.in);
> 📂 JavaOperators
                                               Scanner obm=new Scanner(System.in);
String Name;
> 📂 JavaUnaryOperator
> 📂 JavaVariables
                                                int Age;
float Salary;
> 📂 JavaVaribles
> 📂 keywords
                                                System.out.println("Please enter your Name :");
> 😸 keywordsInstance
                                                Name=obj.nextLine();
System.out.println("Please enter your Age :");
> 📂 kl
                                                Age=obl.nextInt();
System.out.println("Please enter your salary :");
∨ 📂 Lab1
  > 🛋 JRE System Library [Ji
                                                Salary=obm.nextFloat();
   v 🕮 src
                                                System.out.println("Name of the person is :"+Name);
System.out.println("Age of the person is :"+Age);
System.out.println("Salary of the person is :"+Salary);
     > 🗓 FloatSum.java
         > 🕖 OddandEven.ja
        🗦 🕖 Q10.java

> A Q11.java

         > 🕖 Q12.java
         > 🛭 Q5.java
         > 🕖 Q7.java
         > 🕖 Q8.java
         > 🔑 Q9.java
                                 ■ Console ×  Problems  Debug Shell
         > 

SwapNumber.j
                                 <terminated > Q10 [Java Application] C:\Users\Venkatesh Walunj\,p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x8
        > 🗓 Welcome.java
                                 Please enter your Name :
> 📂 LoopExample
                                 Please enter your Age :
> 醚 Marvel5
> 📂 mathlearn
                                 Please enter your salary :
> 醚 New
                                 Name of the person is :Venkatesh Govind Walunj
Age of the person is :23
> 😝 onlinebanking.zip_expar
                                 Salary of the person is :47000.0
> 📂 PremitiveDataType
> 📂 premitiveExample
```

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

```
1 import java.util.Scanner;
 2 public class Q11 {
 4⊖
       public static void main(String[] args) {
          // TODO Auto-generated method stub
 5
 6 //
          wap that ask two numbers from user and print greater number among two
 7
 8
          Scanner obj=new Scanner(System.in);
 9
          Scanner obl=new Scanner (System.in);
 10
          int a:
 11
          int b;
 12
         System.out.println("Enter the First number :");
 13
          a=obj.nextInt();
          System.out.println("Enter the Second number :");
 14
 15
          b=obl.nextInt();
16
          if (a>b) System.out.println("First number is biger");
 17
                System.out.println("Second number is biger");
 18
 19
20
       }
21
22 }
23
■ Console ×  Problems  Debug Shell
Enter the First number :
Enter the Second number :
35
Second number is biger
```

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

```
₩ Interface4
                                               public static void main(String[] args) {
    // TODO Auto-generated method stub
  Scanner obk =new Scanner(System.in);
String name;
float price;
System.out.println("Please enter Produst name :");

☑ JavaVaribles

                                                     System.out.printin("Flease enter Produst nam
name=obj.nextLine();
System.out.printin("Flease enter price:");
price=obk.nextFloat();
if (price>2000)
∨ 🥵 Lab1
  t
float Dis=(price*0.10f);
System.out.println("Then actual price of product is :"+(price-Dis));
                                                         float Dis=(price*0.07f);
System.out.println("Then actual price of product is :"+(price-Dis));
          > 🔑 Q10.java
            O11.iava
         > Q11,java
> Q212,java
> Q5,java
> Q7,java
> Q8,java
                                     □ Console × 🖺 Problems 🗓 Debug Shell
            Q9.java
            SwapNumber.j
                                    <terminated> Q12 [Java Application] C.\Users\\enkatesh Walun\\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.02.v20220201-1208\\re\bin\\javaw.exe (17-Sep-2022, 945.05 am - 945.26 am) [pid: Please enter Produst name:

    Welcome.iava

> Sometime LoopExample
> Marvel5
> mathlearn
                                     Please enter price :
                                    Then actual price of product is :2250.0
```