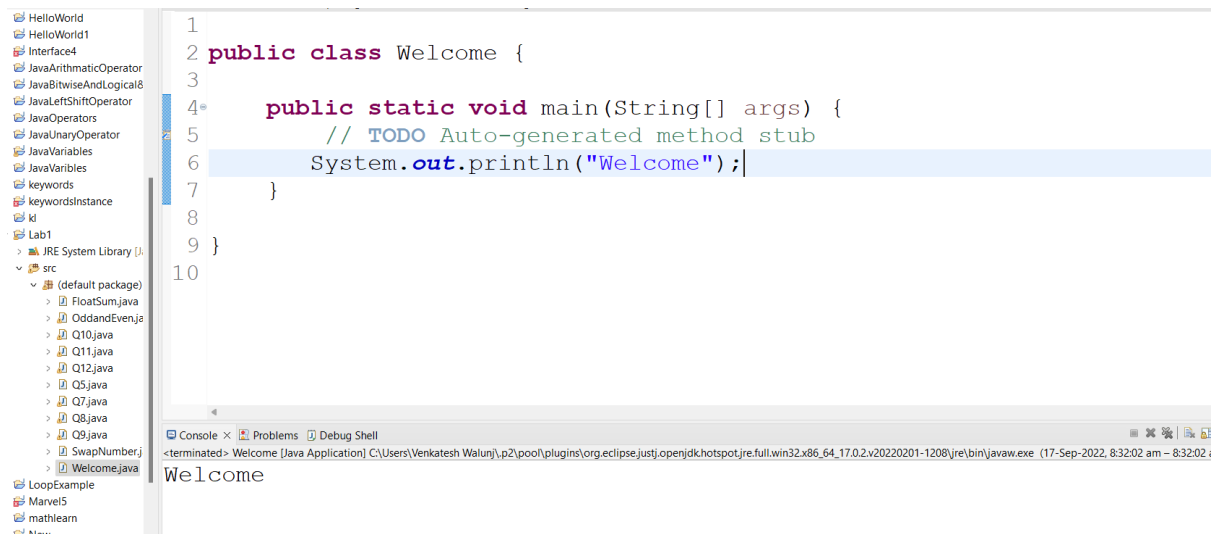


Q 1 Java program to print welcome message.

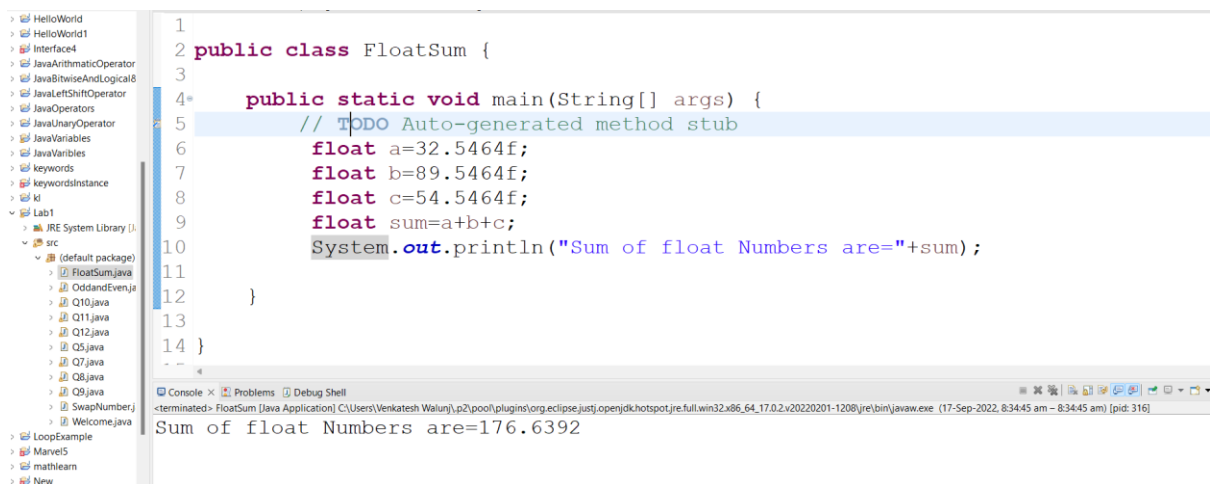


The screenshot shows an IDE with a project explorer on the left containing various Java files like HelloWorld, Interface4, and others. The main editor displays a Java class named 'Welcome' with a 'main' method. The code is as follows:

```
1
2 public class Welcome {
3
4     public static void main(String[] args) {
5         // TODO Auto-generated method stub
6         System.out.println("Welcome");
7     }
8
9 }
10
```

The console at the bottom shows the output: 'Welcome'.

Q 2 Java program to print sum of three float numbers

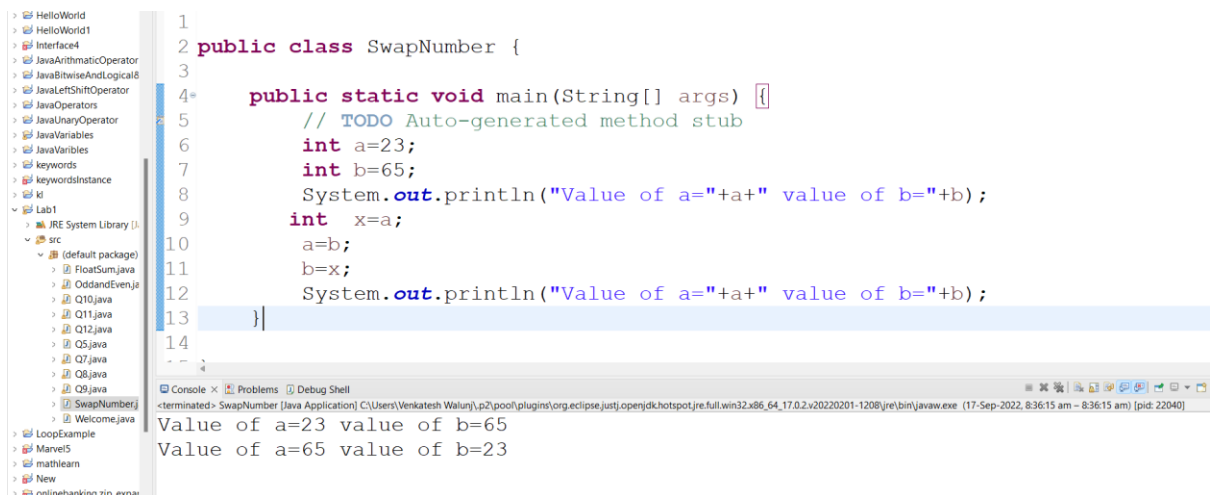


The screenshot shows an IDE with a project explorer on the left. The main editor displays a Java class named 'FloatSum' with a 'main' method. The code is as follows:

```
1
2 public class FloatSum {
3
4     public static void main(String[] args) {
5         // TODO Auto-generated method stub
6         float a=32.5464f;
7         float b=89.5464f;
8         float c=54.5464f;
9         float sum=a+b+c;
10        System.out.println("Sum of float Numbers are="+sum);
11    }
12
13 }
14
```

The console at the bottom shows the output: 'Sum of float Numbers are=176.6392'.

Q 3 Java Program to Swap Two Numbers

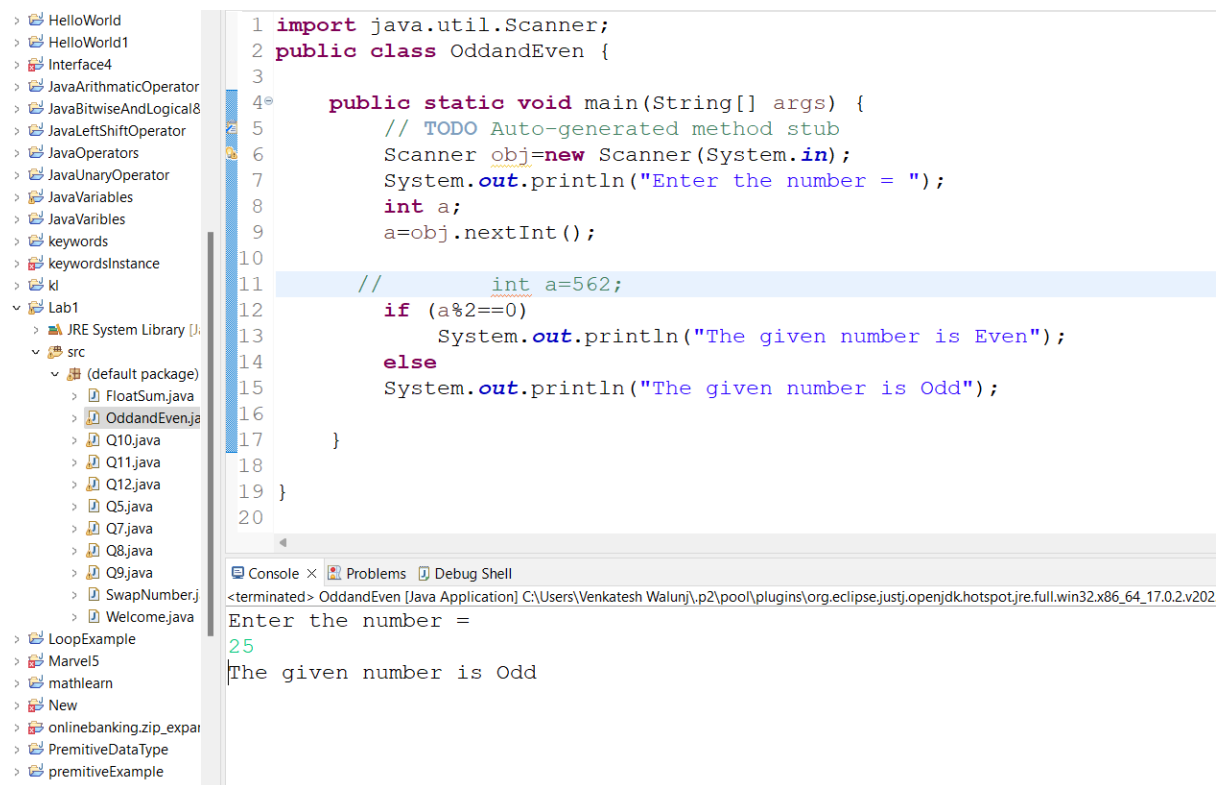


The screenshot shows an IDE with a project explorer on the left. The main editor displays a Java class named 'SwapNumber' with a 'main' method. The code is as follows:

```
1
2 public class SwapNumber {
3
4     public static void main(String[] args) {
5         // TODO Auto-generated method stub
6         int a=23;
7         int b=65;
8         System.out.println("Value of a="+a+" value of b="+b);
9         int x=a;
10        a=b;
11        b=x;
12        System.out.println("Value of a="+a+" value of b="+b);
13    }
14
```

The console at the bottom shows the output: 'Value of a=23 value of b=65' followed by 'Value of a=65 value of b=23'.

Q 4 Wap to check if number is even or odd



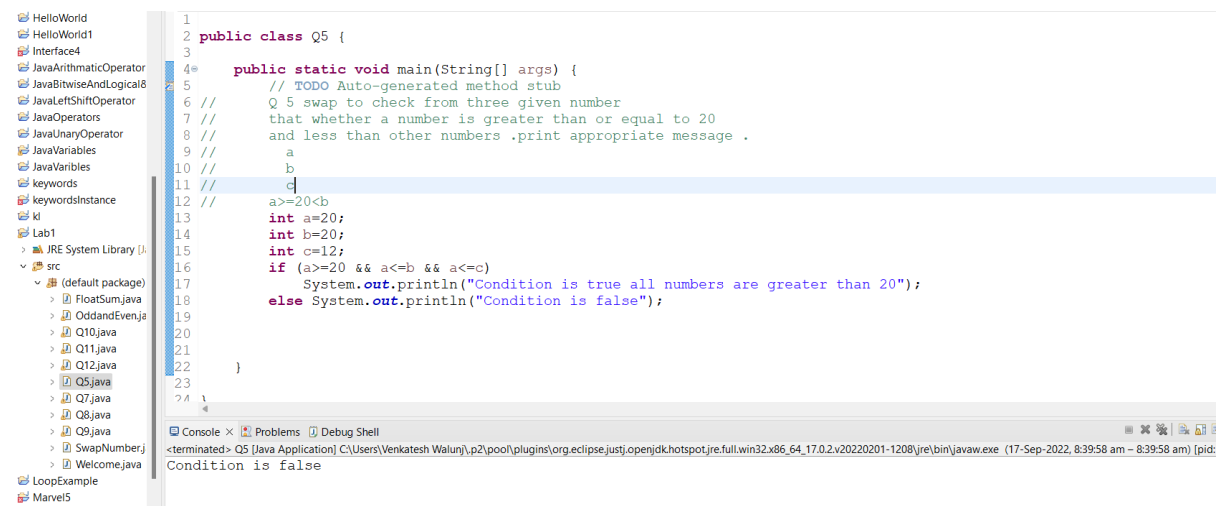
```
1 import java.util.Scanner;
2 public class OddandEven {
3
4     public static void main(String[] args) {
5         // TODO Auto-generated method stub
6         Scanner obj=new Scanner(System.in);
7         System.out.println("Enter the number = ");
8         int a;
9         a=obj.nextInt();
10
11         // int a=562;
12         if (a%2==0)
13             System.out.println("The given number is Even");
14         else
15             System.out.println("The given number is Odd");
16     }
17 }
18
19 }
20
```

Console × Problems Debug Shell

<terminated> OddandEven [Java Application] C:\Users\Venkatesh Walunj\p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64_17.0.2.v20220201-1208\jre\bin\javaw.exe (17-Sep-2022, 8:39:58 am – 8:39:58 am) [pid: 25]

Enter the number =
25
The given number is Odd

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 .



```
1 public class Q5 {
2
3     public static void main(String[] args) {
4         // TODO Auto-generated method stub
5         // Q 5 swap to check from three given number
6         // that whether a number is greater than or equal to 20
7         // and less than other numbers .print appropriate message .
8         a
9         b
10        c
11        // a>=20 && a<=b && a<=c
12        // int a=20;
13        // int b=20;
14        // int c=12;
15        // if (a>=20 && a<=b && a<=c)
16        //     System.out.println("Condition is true all numbers are greater than 20");
17        // else System.out.println("Condition is false");
18    }
19 }
20
21 }
22
23 }
24
```

Console × Problems Debug Shell

<terminated> Q5 [Java Application] C:\Users\Venkatesh Walunj\p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64_17.0.2.v20220201-1208\jre\bin\javaw.exe (17-Sep-2022, 8:39:58 am – 8:39:58 am) [pid: 25]

Condition is false

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 .

The screenshot shows the Eclipse IDE with a project named 'Lab1'. The 'src' folder contains several Java files, including 'Q7.java'. The code in 'Q7.java' is as follows:

```
1 import java.util.Scanner;
2 public class Q7 {
3
4     public static void main(String[] args) {
5         // TODO Auto-generated method stub
6         // wap to check if sales of a person is greater than 10000 then eligible for bonus
7         // else not eligible calculate bonus as 20% of sales .
8
9         Scanner obj=new Scanner(System.in);
10        int a;
11        System.out.println("Enter the Seals Amount: ");
12        a=obj.nextInt();
13
14        if (a>10000)
15        {
16            System.out.println("Seals is graeter than 10000");
17            int bouns;
18            bouns=(a*20/100);
19            System.out.println("Then Bounses are =" +bouns);
20        }
21        else
22        {
23            System.out.println("Seals is Less than 10000 heance eligible for the bounses");
24        }
25    }
26 }
27 }
```

The console output shows the execution of the program:

```
<terminated> Q7 [Java Application] C:\Users\Venkatesh Walunj\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.2.v20220201-1208\jre\bin\java.exe
Enter the Seals Amount:
20000
Seals is graeter than 10000
Then Bounses are =4000
```

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

The screenshot shows the Eclipse IDE with a project named 'Lab1'. The 'src' folder contains several Java files, including 'Q8.java'. The code in 'Q8.java' is as follows:

```
1 import java.util.Scanner;
2 public class Q8 {
3
4     public static void main(String[] args) {
5         // TODO Auto-generated method stub
6         // wap to check if two given integer value is in range
7         // of 18 and 100 print eligible for voting else not eligible .
8         Scanner obj=new Scanner(System.in);
9         int a;
10        System.out.println("Enter the age of Person");
11        a=obj.nextInt();
12
13        if(a>=18 && 100>=a)
14        {
15            System.out.println("Person age is eligible for voting");
16        }
17        else
18        {
19            System.out.println("Person age is NOT eligible for voting");
20        }
21    }
22 }
23 }
24 }
25 }
```

The console output shows the execution of the program:

```
<terminated> Q8 [Java Application] C:\Users\Venkatesh Walunj\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.2.v20220201-1208\jre\bin\java.exe
Enter the age of Person
16
Person age is NOT eligible for voting
```

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) {
4         // TODO Auto-generated method stub
5         // WAP to print average of given five subjects marks of student and check
6         // if average >=40 print Pass else print fail
7         Scanner obj = new Scanner(System.in);
8         Scanner objk = new Scanner(System.in);
9         Scanner objl = new Scanner(System.in);
10        Scanner objm = new Scanner(System.in);
11        Scanner objn = new Scanner(System.in);
12        int a;
13        int b;
14        int c;
15        int d;
16        int e;
17        System.out.println("Please Enter your First subjest marks here :");
18        a=obj.nextInt();
19        System.out.println("Please Enter your Second subjest marks here :");
20        b=objk.nextInt();
21        System.out.println("Please Enter your Third subjest marks here :");
22        c=objl.nextInt();
23        System.out.println("Please Enter your Four subjest marks here :");
24        d=objm.nextInt();
25        System.out.println("Please Enter your fifth subjest marks here :");
26        e=objn.nextInt();
27        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_64.jre\bin\java.exe
Please Enter your First subjest marks here :
55
Please Enter your Second subjest marks here :
56
Please Enter your Third subjest marks here :
89
Please Enter your Four subjest marks here :
64
Please Enter your fifth subjest marks here :
85
Congrats Student is Pass
```

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



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

```
1 import java.util.Scanner;
2 public class Q11 {
3
4     public static void main(String[] args) {
5         // TODO Auto-generated method stub
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();
14        System.out.println("Enter the Second number :");
15        b=obl.nextInt();
16        if (a>b) System.out.println("First number is bigger");
17        else System.out.println("Second number is bigger");
18
19    }
20 }
21
22 }
23
```

Console × Problems Debug Shell

```
<terminated> Q11 [Java Application] C:\Users\Venkatesh Walunj\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.2.v20220201-
Enter the First number :
25
Enter the Second number :
35
Second number is bigger
```

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

```
1 import java.util.Scanner;
2 public class Q12 {
3
4     public static void main(String[] args) {
5         // TODO Auto-generated method stub
6
7         // Q 12 wap to ask product name and price of product from user and calculate discount i.e
8         // if price > 2000 then discount is 10 percent of price
9         // else discount is 7 % of price
10
11        Scanner obj =new Scanner(System.in);
12        Scanner obl =new Scanner(System.in);
13        String name;
14        float price;
15        System.out.println("Please enter Product name :");
16        name=obj.nextLine();
17        System.out.println("Please enter price :");
18        price=obj.nextFloat();
19        if (price>2000)
20        {
21            float Dis=(price*0.10f);
22            System.out.println("Then actual price of product is :"+(price-Dis));
23        }
24        else
25        {
26            float Dis=(price*0.07f);
27            System.out.println("Then actual price of product is :"+(price-Dis));
28        }
29    }
30 }
31
32 }
```

Console × Problems Debug Shell

```
<terminated> Q12 [Java Application] C:\Users\Venkatesh Walunj\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.2.v20220201-1208\jre\bin\javaw.exe (17-Sep-2022, 9:45:05 am - 9:45:26 am) [pid:
Please enter Product name :
Rice
Please enter price :
2500
Then actual price of product is :2250.0
```