

## ASSIGNMENT-1

### Q 1 Java program to print welcome message.

```
1 package assignment1;
2
3 public class Welcome {
4
5     public static void main(String[] args) {
6         System.out.println("Welcome to Java");
7     }
8 }
```

Problems @ Javadoc Declaration Console ×

<terminated> Product [Java Application] C:\Users\Komal Sharma\AppData\Local\Temp\eois6A1.tmp\p  
Product name:Mixer Grinder  
Price:5800  
You got 10% discount.  
Discount:580.0  
Pay Rs.:5220.0

### Q 2 Java program to print sum of three float numbers.

```
1 package assignment1;
2 import java.util.*;
3 public class Sum {
4     public static void main(String[] args) {
5         Scanner sc=new Scanner(System.in);
6         float a,b,c;
7         System.out.println("enter number 1:");
8         a=sc.nextFloat();
9         System.out.println("enter number 2:");
10        b=sc.nextFloat();
11        System.out.println("enter number 3:");
12        c=sc.nextFloat();
13        System.out.println("Sum:"+(a+b+c));
14    }
15 }
16
```

Problems @ Javadoc Declaration Console ×

<terminated> Sum [Java Application] C:\Users\Komal Sharma\AppData\Local\Temp\eois6A1.tmp\plugins\org.eclipse.justj.openjdk.hotspot.jre.minimal.strip  
enter number 1:  
11.1  
enter number 2:  
22.2  
enter number 3:  
33.3  
Sum:66.600006

### Q 3 Java Program to Swap Two Numbers.

```
1 package assignment1;
2 import java.util.*;
3 public class Swap
4 {
5     public static void main(String[] args)
6     {
7         int num1,num2,temp;
8         Scanner sc=new Scanner(System.in);
9         System.out.print("-----BEFORE SWAPING-----\n\nfirst number:");
10        num1=sc.nextInt();
11        System.out.print("second number:");
12        num2=sc.nextInt();
13        temp=num2;
14        num2=num1;
15        num1=temp;
16        System.out.println("\n\n-----AFTER SWAPPING-----\n\nfirst number:"+num1+"\nsecond number:"+num2);
17    }
18 }
19 }
20 }
```

Problems Javadoc Declaration Console ×

<terminated> Swap [Java Application] C:\Users\Komal Sharma\AppData\Local\Temp\ei56A1.tmp\plugins\org.eclipse.justj.openjdk.hotspot.jre.minimal.striped.win32.x86\_

-----BEFORE SWAPING-----

first number:22  
second number:44

-----AFTER SWAPPING-----

first number:44  
second number:22

### Q 4 WAP to check if number is even or odd.

```
1 package assignment1;
2 import java.util.*;
3 public class Even_odd
4 {
5     public static void main(String[] args)
6     {
7         Scanner sc=new Scanner(System.in);
8         System.out.print("Enter the number:");
9         int num=sc.nextInt();
10        if(num%2==0)
11            System.out.println("IT'S AN EVEN NUMBER");
12        else
13            System.out.println("IT'S AN ODD NUMBER");
14        }
15 }
16 |
```

Problems Javadoc Declaration Console ×

<terminated> Even\_odd [Java Application] C:\Users\Komal Sharma\AppData\Local\Temp\ei56A1.tmp\plugins\org.eclipse.justj.openjdk.hotspot.jre.minimal.strip

Enter the number:37  
IT'S AN ODD NUMBER

### 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 package assignment1;
2 import java.util.*;
3 public class Check
4 {
5     public static void main(String[] args)
6     {
7         Scanner sc=new Scanner(System.in);
8         int a,b,c;
9         System.out.print("Enter Number 1:");
10        a=sc.nextInt();
11        System.out.print("Enter Number 2:");
12        b=sc.nextInt();
13        System.out.print("Enter Number 3:");
14        c=sc.nextInt();
15        if(a>=20 && a<b && a<c)
16            System.out.println(a+" is greater than or equal to 20 but less than other two numbers.");
17        else if(b>=20 && b<a && b<c)
18            System.out.println(b+" is greater than or equal to 20 but less than other two numbers.");
19        else if(c>=20 && c<a && c<b)
20            System.out.println(c+" is greater than or equal to 20 but less than other two numberS.");
21        else
22            System.out.println("CONDITION NOT SATISFIED");
23    }
24 }

```

Problems Javadoc Declaration Console x

<terminated> Check [Java Application] C:\Users\Komal Sharma\AppData\Local\Temp\eo156A1.tmp\plugins\org.eclipse.justj.openjdk.hotspot.jre.minimal.stripped.win32.

Enter Number 1:21  
Enter Number 2:31  
Enter Number 3:41  
21 is greater than or equal to 20 but less than other two numbers.

**Q 7 WAP to check if sales of a person are greater than 10000 then eligible for bonus else not eligible calculate bonus as 20% of sales.**

```

1 package assignment1;
2 import java.util.*;
3 public class Sales_bonus
4 {
5     public static void main(String[] args)
6     {
7         Scanner sc=new Scanner(System.in);
8         System.out.print("Sales in Rs. done by salesperson: ");
9         float sales=sc.nextFloat();
10        float bonus;
11        if(sales>10000)
12        {
13            bonus=sales*20/100;
14            System.out.println("Your bonus is 20% of sales.\nBonus: "+ bonus);
15        }
16        else
17            System.out.println("You are not eligible for bonus.");
18    }
19 }
20

```

Problems Javadoc Declaration Console x

<terminated> Sales\_bonus [Java Application] C:\Users\Komal Sharma\AppData\Local\Temp\eo156A1.tmp\plugins\org.eclipse.justj.openjdk.hotspot.jre.mini

Sales in Rs. done by salesperson: 12000  
Your bonus is 20% of sales.  
Bonus: 2400.0

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

```
1 package assignment1;
2 import java.util.*;
3 public class Vote
4 {
5     public static void main(String[] args)
6     {
7         Scanner sc=new Scanner(System.in);
8         System.out.print("Enter your age:");
9         int age=sc.nextInt();
10        if(age>=18 && age<=100)
11            System.out.println("You are eligible to cast your vote.");
12        else
13            System.out.println("You are NOT eligible to cast your vote.");
14        }
15    }
16 }
```

Problems @ Javadoc Declaration Console ×

<terminated> Vote [Java Application] C:\Users\Komal Sharma\AppData\Local\Temp\ei56A1.tmp\plugins\org.eclipse.justj.openjdk.hotspot.jre.m  
Enter your age:31  
You are eligible to cast your vote.

Q 9 WAP to print average of given five subjects marks of student and check if average  $\geq 40$  print Pass else print fail.

```
1 package assignment1;
2 import java.util.*;
3 public class Average
4 {
5     public static void main(String[] args)
6     {
7         Scanner sc=new Scanner(System.in);
8         float hindi,eng,maths,arts,comp;
9         System.out.print("Enter your marks in the following subjects:-\nHindi:");
10        hindi=sc.nextFloat();
11        System.out.print("English:");
12        eng=sc.nextFloat();
13        System.out.print("Maths:");
14        maths=sc.nextFloat();
15        System.out.print("Arts:");
16        arts=sc.nextFloat();
17        System.out.print("Computer:");
18        comp=sc.nextFloat();
19        float avg=(hindi+eng+maths+arts+comp)/5;
20        System.out.println("\n\nAverage: "+avg);
21        if(avg>=40)
22            System.out.println("Well done! You have passed.");
23        else
24            System.out.println("You have failed.");
25    }
26 }
```

Problems @ Javadoc Declaration Console ×

<terminated> Average [Java Application] C:\Users\Komal Sharma\AppData\Local\Temp\ei56A1.tmp\plugins\org.eclipse.justj.openjdk.hotspot.jre.minimal.stripped.win32.x86  
Enter your marks in the following subjects:-  
Hindi:76  
English:80  
Maths:95  
Arts:55  
Computer:65  
  
Average: 74.2  
Well done! You have passed.

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



**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 package assignment1;
2 import java.util.*;
3 public class Product
4 {
5     public static void main(String[] args)
6     {
7         Scanner sc=new Scanner(System.in);
8         System.out.print("Product name:");
9         String name=sc.nextLine();
10        System.out.print("Price:");
11        float price=sc.nextFloat();
12        float dis,newpr;
13        if(price>2000)
14        {
15            dis=price*0.1f;
16            newpr=price-dis;
17            System.out.println("You got 10% discount.\nDiscount:"+ dis+ "\nPay Rs.:"+ newpr);
18        }
19        else
20        {
21            dis=price*0.07f;
22            newpr=price-dis;
23            System.out.println("You got 7% discount.\n Discount:"+ dis+ "Pay Rs.:"+ newpr);
24        }
25    }
26 }
```

Problems Javadoc Declaration Console ×

<terminated> Product [Java Application] C:\Users\Komal Sharma\AppData\Local\Temp\ei56A1.tmp\plugins\org.eclipse.justj.openjdk.hotspot.jre.minim

Product name:Mixer Grinder  
Price:5800  
You got 10% discount.  
Discount:580.0  
Pay Rs.:5220.0