

TECHNO INDIA UNIVERSITY

NAME – ROHAN GHOSH


BATCH – BCS3B

ID – 181001001122

SUBJECT – OOP WITH JAVA

Answer to question 1:

```
1 package oops;
2
3 public class Nameprint {
4
5     public static void main(String[] args) {
6         System.out.println("Rohan Ghosh");
7     }
8 }
9
10 }
11 |
```

Problems Javadoc Declaration Console 

<terminated> Nameprint [Java Application] C:\Program Files\Java\jdk-11.0.7\bin\javaw.exe (19-Aug-2020, 10:32:59 am – 10:33:01 am)

Rohan Ghosh

Answer to question 2:

```
1 package oops;
2 import java.util.Scanner;
3
4 public class Question2 {
5
6     public static void main(String[] args) {
7
8         Scanner sc = new Scanner(System.in);
9         System.out.println("Enter value of price");
10        double price = sc.nextDouble();
11        price *= 100;
12        System.out.println("Price is " + (int)price + " paisa");
13    }
14 }
15
16 }
17
```

Problems Javadoc Declaration Console

<terminated> Question2 [Java Application] C:\Program Files\Java\jdk-11.0.7\bin\javaw.exe (19-Aug-2020, 10:34:56 am – 10:35:02 am)

Enter value of price
75.86
Price is 7586 paisa

Answer to question 3:

```
1 package oops;
2 import java.util.Scanner;
3
4 public class Question3 {
5
6     public static void main(String[] args) {
7         Scanner sc = new Scanner(System.in);
8         System.out.println("Enter temperature in fahrenheit:");
9         int f = sc.nextInt();
10        float c = ((f-32)*5)/9;
11        System.out.println("Temparature in celcius = " + c);
12
13
14    }
15
16 }
17
```

Problems Javadoc Declaration Console

<terminated> Question3 [Java Application] C:\Program Files\Java\jdk-11.0.7\bin\javaw.exe (19-Aug-2020, 10:36:32 am – 10:36:36 am)

Enter temperature in fahrenheit:
212
Temparature in celcius = 100.0

Answer to question 4:

```
1 package oops;
2 import java.util.Scanner;
3
4
5 public class Question4 {
6
7     public static void main(String[] args) {
8
9         Scanner sc = new Scanner(System.in);
10        System.out.print("Enter value of n = ");
11        int n = sc.nextInt();
12        double i, sum = 0.0;
13        for (i = 1; i <= n*n; i++) {
14            sum = sum + (1/i);
15        }
16        System.out.printf("Sum of series = %.2f", sum);
17    }
18
19
20 }
```

Problems Javadoc Declaration Console

<terminated> Question4 [Java Application] C:\Program Files\Java\jdk-11.0.7\bin\javaw.exe (19-Aug-2020, 10:38:17 am – 10:38:22 am)

Enter value of n = 5
Sum of series = 3.82

Answer to question 5:

```
1 package oops;
2 import java.util.Scanner;
3
4 public class Question5 {
5
6     public static int fact(int n)
7     {
8         if(n==1)
9             return n;
10        else
11            return n*fact(n-1);
12    }
13
14    public static void main(String[] args) {
15
16        Scanner s = new Scanner(System.in);
17        System.out.print("Enter n = ");
18        int n = s.nextInt();
19        System.out.print("Factorial is "+fact(n));
20
21    }
22
23 }
24
```



Problems Javadoc Declaration Console

<terminated> Question5 [Java Application] C:\Program Files\Java\jdk-11.0.7\bin\javaw.exe (19-Aug-2020, 10:39:17 am – 10:39:22 am)

Enter n = 5
Factorial is 120

Answer to question 6:

```
1 package oops;
2 import java.util.Scanner;
3
4 public class Question6 {
5
6     public static int fibo(int n)
7     {
8         if(n==0 || n==1)
9             return n;
10        else
11            return fibo(n-1)+fibo(n-2);
12    }
13
14    public static void main(String[] args) {
15
16        Scanner s = new Scanner(System.in);
17        System.out.print("Enter n = ");
18        int n = s.nextInt();
19        System.out.print("0 ");
20        for(int i=1;i<=n;i++)
21            System.out.print(fibo(i)+" ");
22
23    }
24
25 }
26
```

Problems Javadoc Declaration Console  

<terminated> Question6 [Java Application] C:\Program Files\Java\jdk-11.0.7\bin\javaw.exe (19-Aug-2020, 10:40:23 am – 10:40:31 am)

Enter n = 6
0 1 1 2 3 5 8

Answer to question 7:

```
1 package oops;
2 import java.util.Scanner;
3 import java.lang.Math;
4
5 public class Question7 {
6
7     public static void main(String[] args) {
8         Scanner sc = new Scanner(System.in);
9         System.out.println("Enter the value of n and x");
10        int n = sc.nextInt();
11        int x = sc.nextInt();
12        double sum = 0;
13        for(int i = 0; i <= n; i++) {
14
15            sum += Math.pow(x, i);
16
17        }
18
19        System.out.println("Sum is " + sum);
20
21    }
22
23 }
24
```

Problems Javadoc Declaration Console

<terminated> Question7 [Java Application] C:\Program Files\Java\jdk-11.0.7\bin\javaw.exe (19-Aug-2020, 10:41:38 am – 10:41:45 am)

Enter the value of n and x

5 2

Sum is 63.0