# Swapnanil Dutta Roll 12

**Question:** Write a program to print your name.

Code:

```
public class name{
    public static void main(String[] args) {
        System.out.println("Swapnanil Dutta");
    }
}
```

## Output:

```
PS D:\OOPS-PCC-CS593\Day 1> javac name.java
PS D:\OOPS-PCC-CS593\Day 1> java name
Swapnanil Dutta
```

**Question:** Write a program to read the price of an item in the decimal form (like 75.95) and print the output in paise (like 7595 paise).

#### Code:

2.

```
public class ToPaisa {
    public static void main(String[] args) {
        double price = Double.parseDouble(args[0]);
        System.out.println("Price: " + (int) (price * 100) +"
Paise");
    }
}
```

```
PS D:\OOPS-PCC-CS593\Day 1> javac ToPaisa.java
PS D:\OOPS-PCC-CS593\Day 1> java ToPaisa 70.89
Price: 7089 Paise
```

3.

**Question:** Write a program to convert the given temperature in Fahrenheit to Celsius using the following conversion formula:

```
C = (F-32)/1.8
```

#### Code:

```
public class TempConvert{
    public static void main(String[] args) {
        double fahrenheit = Double.parseDouble(args[0]);
        double celcius = (fahrenheit - 32) / 1.8;
        System.out.println("Celcius: " + celcius);
    }
}
```

## Output:

4.

**Question:** Write a program to determine sum of the following series for given value of n: (1 + 1/2 + 1/3 + ..... + 1/n). Print the result up to two decimal places.

#### Code:

```
public class SumOfSeries {
    public static void main(String[] args) {
        int n = Integer.parseInt(args[0]);
        double series = 0.0;
        for (int i = 1; i <= n; i++)
            series += 1.0 / i;
        System.out.println("Series: " + String.format("%.2f",
        series));
    }
}</pre>
```

```
PS D:\OOPS-PCC-CS593\Day 1> javac SumOfSeries.java
PS D:\OOPS-PCC-CS593\Day 1> java SumOfSeries 12
Series: 3.10
```

5.

**Question:** Write a program to find the sum of digits and reverse of a given integer number (take input using command-line argument).

## Code:

```
int reverse(int n) {
    int rev = 0;
    int copy = n;
    while (copy != 0) {
        rev = rev * 10 + (copy % 10);
        copy /= 10;
    return rev;
    int sum = 0;
    return sum;
public static void main(String[] args) {
    int n = Integer.parseInt(args[0]);
    Operations obj = new Operations();
    System.out.println("Reverse: " + obj.reverse(n));
    System.out.println("Sum: " + obj.sumOfDigits(n));
```

```
PS D:\OOPS-PCC-CS593\Day 1> javac SumAndRev.java
PS D:\OOPS-PCC-CS593\Day 1> java SumAndRev 136
Reverse: 631
Sum: 10
```

6.

**Question:** Write a program to find the factorial of a given integer number using recursion (take input using command-line argument).

#### Code:

```
public class Facto {
    public static int facto(int n) {
        if (n == 0)
            return 1;
        return n * facto(n - 1);
    }
    public static void main(String[] args) {
        int n = Integer.parseInt(args[0]);
        System.out.println("Factorial: " + facto(n));
    }
}
```

```
PS D:\OOPS-PCC-CS593\Day 1> javac Facto.java
PS D:\OOPS-PCC-CS593\Day 1> java Facto 5
Factorial: 120
```