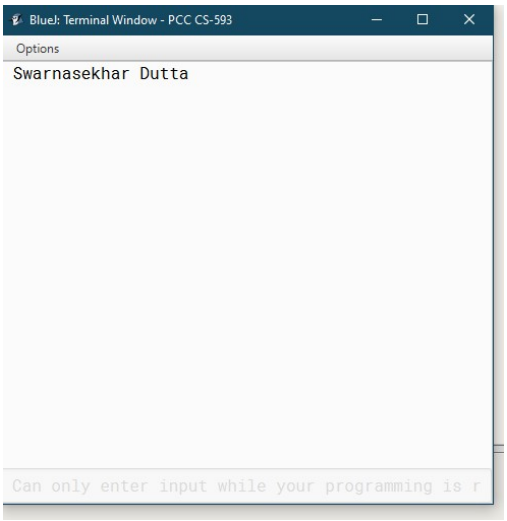
SWARNASEKHAR DUTTA , IT 5TH Sem, 11

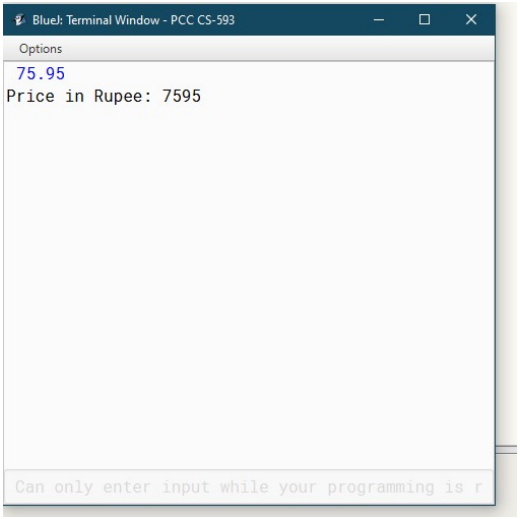
Program 1

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



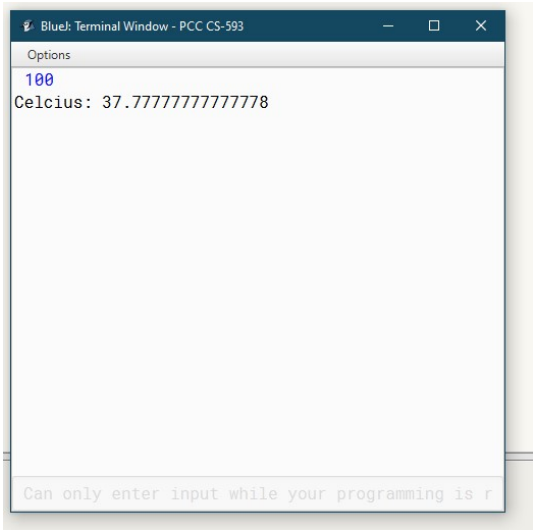
Program 2

```
import java.util.*;
public class RupeeToPaise {
	public static void main(String[] args) {
		double p;
		Scanner sc=new Scanner(System.in);
		p = sc.nextDouble();
		System.out.println("Price in Rupee: " + (int) (p * 100));
	}
}
```



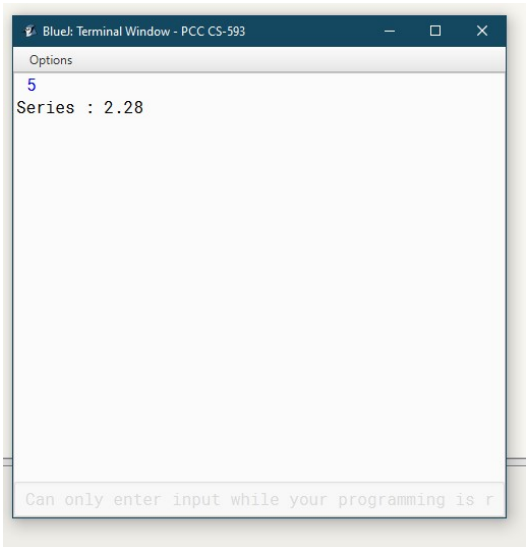
Program 3

```
import java.util.*;
public class Fahrenheit_Celsius {
	public static void main(String[] args) {
		double fah;
		Scanner sc=new Scanner(System.in);
		fah=sc.nextDouble();
		double cel = (fah - 32) / 1.8;
		System.out.println("Celcius: " + cel);
	}
}
```



Program 4

```
import java.util.*;
public class Sum_Series
{
	public static void main(String[] args)
	{
		Scanner sc=new Scanner(System.in);
		int n = sc.nextInt();
		double series = 0.0;
		for (int i = 1; i <= n; i++)
			series += 1.0 / i;
		System.out.println("Series : " + String.format("%.2f", series));
	}
}
```



Program 5

```
import java.util.*;
class Operations
{
	int reverse(int n)
	{
		int rev = 0;
		int copy = n;
		while (copy != 0)
		{
			rev = rev * 10 + (copy % 10);
			copy /= 10;
		}
		return rev;
	}

	int sumOfDigits(int n)
	{
		int sum = 0;
		while (n != 0)
		{
			sum += n % 10;
			n /= 10;
		}
		return sum;
	}
}

public class Sum_Reverse
{
	public static void main(String[] args)
	{
		Scanner sc= new Scanner(System.in);
		int num = sc.nextInt();
		Operations obj = new Operations();
		System.out.println("Reverse: " + obj.reverse(num));
		System.out.println("Sum: " + obj.sumOfDigits(num));
	}
}
```

Output:

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

Program 6

```
import java.util.*;
public class Factorial_Recursion
{
	public static int facto(int n)
	{
		if (n == 0)
			return 1;
		return n * facto(n - 1);
	}

	public static void main(String[] args)
	{
		Scanner sc=new Scanner(System.in);
		int num = sc.nextInt();
		System.out.println("Factorial: " + facto(num));
	}
}
```

Output:

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