Experiment 1

Write some simple programs in Java such as: i) To find factorial of number. ii) To display first 50 prime numbers. iii) To find sum and average of N numbers

```java
import java.util.Scanner;

public class Factorial {
    public static void main(String[] args) {
        int fact = 1;
        Scanner input = new Scanner(System.in);

        System.out.print("Enter a number: ");
        int num = input.nextInt();

        if (num < 0) {
            System.out.println("Factorial is not defined for negative numbers.");
        } else {
            for (int i = 1; i <= num; i++) {
                fact *= i;
            }
            System.out.println("Factorial of " + num + " is: " + fact);
        }

        input.close();
    }
}


Output:

Enter a number: 5
Factorial of 5 is: 120
```