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# 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

```
1  import java.util.Scanner;
2
3  public class Sum_Avg{
4
5      static void Average(int count, Scanner sc) {
6          double sum = 0;
7
8          for (int i = 1; i <= count; i++) {
9              System.out.print("Enter number " + i + ": ");
10             double input = sc.nextDouble();
11             sum += input;
12         }
13
14         double average = sum / count;
15
16         System.out.println("Sum is: " + sum);
17         System.out.println("Average is: " + average);
18     }
19
20     public static void main(String[] args) {
21         Scanner sc = new Scanner(System.in);
22
23         System.out.print("How many numbers? : ");
24         int num = sc.nextInt();
25
26         if (num <= 0) {
27             System.out.println("Please enter a positive number.");
28         } else {
29             Average(num, sc);
30         }
31
32         sc.close();
33     }
34 }
```

Output:

```
38 How many numbers? : 10
39 Enter number 1: 3
40 Enter number 2: 5
41 Enter number 3: 2
42 Enter number 4: 6
43 Enter number 5: 8
44 Enter number 6: 9
45 Enter number 7: 3
46 Enter number 8: 1
47 Enter number 9: 6
48 Enter number 10: 3
49 Sum is: 46.0
50 Average is: 4.6
```

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