

1] Find factorial of number.

```
package Practical1;
import java.util.Scanner;
public class Factorial {

    public static void main(String[] args) {
        // TODO Auto-generated method stub
        Scanner sc = new Scanner(System.in);
        System.out.print("Enter a number to find it's factorial: ");
        int num = sc.nextInt();
        long fact = 1;

        for (int i = 1; i <= num; i++) {
            fact *= i;
        }
        System.out.println("Factorial of " + num + " is: " + fact);
    }
}
```

The screenshot shows an IDE interface. On the left, there is a tree view with a node labeled 'Console'. Next to it is a tab labeled 'Factorial.java'. The main workspace shows the Java code for 'Factorial'. Below the code, the 'Console' tab is active, displaying the application's output. The output starts with '<terminated> Factorial [Java Application] C:\Users\Megha\p2\'. Then, it prompts 'Enter a number to find it's factorial: ' followed by the user input '6'. Finally, it displays the result 'Factorial of 6 is: 720'.

```
<terminated> Factorial [Java Application] C:\Users\Megha\p2\
Enter a number to find it's factorial: 6
Factorial of 6 is: 720
```

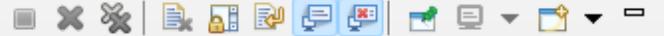
2] Display first 50 prime numbers.

```
package Practical1;

public class PrimeNo {

    public static void main(String[] args) {
        int count = 0;
        int num = 2;
        System.out.println("First 50 prime numbers:");
        while (count < 50) {
            boolean isPrime = true;
            for (int i = 2; i <= Math.sqrt(num); i++) {
                if (num % i == 0) {
                    isPrime = false;
                    break;
                }
            }
            if (isPrime) {
                System.out.print(num + " ");
                count++;
            }
            num++;
        }
    }
}
```

```
Console X Factorial.java PrimeNo.java
<terminated> PrimeNo [Java Application] C:\Users\Megha\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.8.v20230831-1047\jre\bin\javaw.exe (04-Aug-2025, 3:21:05 pm – 3:21:06 pm) [pid: 14140]
First 50 prime numbers:
2 3 5 7 11 13 17 19 23 29 31 37 41 43 47 53 59 61 67 71 73 79 83 89 97 101 103 107 109 113 127 131 137
```



4\_17.0.8.v20230831-1047\jre\bin\javaw.exe (04-Aug-2025, 3:21:05 pm – 3:21:06 pm) [pid: 14140]

137 139 149 151 157 163 167 173 179 181 191 193 197 199 211 223 227 229

3] Find sum and average of N numbers.

```
package Practical1;
import java.util.Scanner;
public class SumAvg {
```

```
public static void main(String[] args) {
    Scanner sc = new Scanner(System.in);
    System.out.print("Enter Numbers (N): ");
    int n = sc.nextInt();
    int sum = 0;
    double average;
    for (int i = 1; i <= n; i++) {
        System.out.print("Enter number " + i + ": ");
        int num = sc.nextInt();
        sum += num;
    }
    average = (double) sum / n;
    System.out.println("Sum = " + sum);
    System.out.println("Average = " + average);
}
```

```
Console X Factorial.java PrimeNo.java SumAvg.java
<terminated> SumAvg [Java Application] C:\Users\Megha\.p2\pool\plugins\c
Enter Numbers (N) : 5
Enter number 1: 10
Enter number 2: 22
Enter number 3: 67
Enter number 4: 55
Enter number 5: 40
Sum = 194
Average = 38.8
```