**Name: Waghmare Akash Arun**

**Roll no: TE30**

**Subject: FJP**

**Title : Simple JAVA programs.**

**1) Write a program in JAVA to find factorial of number.**

**Code :**

package Exp\_1;

import java.util.Scanner;

public class Factorial {

public static void main(String[] args) {

int n,fact=1,i;

Scanner sc =new Scanner(System.in);

System.out.println("Enter the number");

n=sc.nextInt();

for( i=1;i<=n;i++) {

fact=fact\*i;

}

System.out.print("Factorial is :"+fact);

}

}

**Output :**

Enter the number

5

Factorial is :120

**2)Write a program in JAVA to display first 50 prime numbers.**

**Code :**

package Exp\_1;

import java.util.Scanner;

public class Prime {

public static void main(String[] args) {

int i,j,n,temp;

Scanner sc = new Scanner(System.in);

System.out.println("Enter the no. ");

n=sc.nextInt();

for(i=1;i<=n;i++) {

temp=0;

for(j=2;j<=i-1;j++) {

if(i%j==0) {

temp=temp+1;

}

}

if(temp==0) {

System.out.println(“The first”+n”prime numbers are :”+i);

}

}

}

}

**Output :**

Enter the number

50

The first 50 prime numbers are :

2

3

5

7

11

13

17

19

23

29

31

37

41

43

47

**3)Write a program in JAVA to find sum and average of N numbers.**

**Code :**

package Exp\_1;

import java.util.Scanner;

public class Addition {

public static void main(String[] args) {

int i,j,n;

float sum=0,avg=0;

Scanner sc =new Scanner(System.in);

System.out.println("How many numbers you want to enter");

j=sc.nextInt();

for(i=1;i<=j;i++) {

System.out.println("enter no."+i);

n=sc.nextInt();

sum=n+sum;

avg=sum/j;

}

System.out.println("Sum is:"+sum);

System.out.print("Avrage is:"+avg);

**Output:**

How many numbers you want to enter

4

enter no.1

20

enter no.2

20

enter no.3

25

enter no.4

25

Sum is:90.0

Avrage is:22.5