**Assignment 1: -**

1. [Prime Number Program in Java](https://www.javatpoint.com/prime-number-program-in-java)

public class PrimeExample{

public static void main(String args[]){

int i,m=0,flag=0;

int n=3;//it is the number to be checked

m=n/2;

if(n==0||n==1){

System.out.println(n+" is not prime number");

}else{

for(i=2;i<=m;i++){

if(n%i==0){

System.out.println(n+" is not prime number");

flag=1;

break;

}

}

if(flag==0) { System.out.println(n+" is prime number"); }

}//end of else

}

}

**OUTPUT: -**

3 is prime number

## [How to Generate Random Number in Java](https://www.javatpoint.com/how-to-generate-random-number-in-java)

**import** java.lang.Math;

**public** **class** RandomNumberExample1

{

**public** **static** **void** main(String args[])

{

// Generating random numbers

System.out.println("1st Random Number: " + Math.random());

System.out.println("2nd Random Number: " + Math.random());

System.out.println("3rd Random Number: " + Math.random());

System.out.println("4th Random Number: " + Math.random());

}

}

**OUTPUT:**

1st Random Number: 0.17434160924512265

2nd Random Number: 0.4297410090709448

3rd Random Number: 0.4828656381344487

4th Random Number: 0.13267917059488898

-