

Assignment 1: -

1. 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

2. 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

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