

```
1 package primeNumber;
2
3 public class PrimeNumber {
4
5     public static void main(String[] args) {
6
7         int num = 11; int flag=0;
8
9         for(int i = 2;i<= num/2; i++) { // carefull !! num/2 is the condition
10
11             if(num%i == 0)
12                 flag = 1;
13         }
14
15         if(flag == 1)
16             System.out.println(num + " is not a prime number");
17         else
18             System.out.println(num + " is a prime number");
19
20         // flag = 1 means it is divisible from other numbers also
21
22     }
23
24 }
25
26
27 /*----- OUTPUT -----
28
29 11 is a prime number*/
```