*Sample.java   **Console**

```java
1
2  //check the number is prime or not
3
4  package org.sample;
5
6  public class Sample {
7
8      public static void main(String[] args) {
9          int a=13;
10         int count = 0;
11         for(int i=2;i<=a/2;i++) {
12             if(a%i==0) {
13                 count++;
14             }
15         }
16         if(count==0) {
17             System.out.println("Prime number");
18         }
19         else {
20             System.out.println("Not a prime numebr");
21         }
22     }
23 }
24
```

Console output:
```
<terminated> Sample
Prime number
```

Sample.java   **Consol**

```java
1
2  //print prime number from 1 to 50
3
4  package org.sample;
5
6  public class Sample {
7
8      public static void main(String[] args) {
9          for(int i=1;i<=50;i++) {
10             int count = 0;
11             for(int j=2;j<=i/2;j++) {
12                 if(i%j==0) {
13                     count++;
14                 }
15             }
16             if(count==0) {
17                 System.out.println(i);
18             }
19         }
20     }
21 }
22
```

Console output:
```
<terminate
1
2
3
5
7
11
13
17
19
23
29
31
37
41
43
47
```