

### PROGRAM 3:

**Sum of values in the non-prime indexes of a given array:**

**PROGRAM:**

```
import java.util.*;

class Prime{

    public static void main(String[] args) {

        Scanner o=new Scanner(System.in);

        int h=o.nextInt();

        int a[] = new int[h];

        for(int i=0;i<h;i++){

            a[i]=o.nextInt();

        }

        int s = a[0] + a[1];

        for (int p = 2; p < h; p++) {

            for (int q = 2; q <= Math.sqrt(p); q++) {

                if (p % q == 0) {

                    s += a[p];

                }

            }

        }

        System.out.println("Final sum: " + s);

    }

}
```

```
C:\Windows\System32\cmd.exe
Microsoft Windows [Version 10.0.19045.4780]
(c) Microsoft Corporation. All rights reserved.

C:\Users\REC\Desktop\D Java>set path=C:\Program Files\Java\jdk1.8.0_40\bin

C:\Users\REC\Desktop\D Java>path
PATH=C:\Program Files\Java\jdk1.8.0_40\bin

C:\Users\REC\Desktop\D Java>javac Prime.java

C:\Users\REC\Desktop\D Java>java Prime
10 20 30 40 50 60 70 80 90 100
Exception in thread "main"
C:\Users\REC\Desktop\D Java>java Prime
10
10
20
30
40
50
60
70
80
90
100
Final sum: 340

C:\Users\REC\Desktop\D Java>
```