

```
1 package primeNumber;
2
3 public class PrimeNumberRange {
4
5     // for a range of values
6
7     static void isPrime(int range) {
8         int flag;
9         int num =2; int count=0;
10
11         while(num<= range) {
12             flag = 0;
13             for(int i = 2;i<= num/2; i++) { ///!! careful i < num/2 is the condition
14
15                 if(num%i == 0)
16                     flag = 1;
17             }
18             if(flag!=1) {
19                 System.out.print(num + " "); count++;
20             }
21
22
23             num++;
24         }
25
26         System.out.println("\n\n Total number of prime numbers till range:"+range + " is:
27 "+count);
28     }
29
30     public static void main(String[] args) {
31
32         int range = 100;
33
34         System.out.println("Prime numbers in range:" + range);
35
36         //calling static function with range
37         isPrime(range);
38     }
39 }
40
41 }
42 /*
43 ***** OUTPUT *****
44 *
45 * Prime numbers in range:100 2 3 5 7 11 13 17 19 23 29 31 37 41 43 47 53 59 61
46 * 67 71 73 79 83 89 97
47 *
48 * Total number of prime numbers till range:100 is: 25
49 */
```