

<https://course.acciojob.com/idle?question=f36ed160-de15-4bdf-81a0-582a6f9f4452>

- EASY

- Max Score: 30 Points

Print All Prime Numbers in range 1 to N

You are given a number n . Your task is to print all the prime numbers from 1 to n (both inclusive).

A prime number is a number which is only having two factors, ie number 1 and the number itself

Input Format

First line contains the number n

Output Format

Print the required numbers in one line with spaces in between

Example 1

Input

10

Output

2 3 5 7

Constraints

$1 \leq n \leq 1000$

Topic Tags

- Math
- Loops

My code

```
// n java
import java.util.*;
import static java.lang.Math.ceil;

class Solution {
    static void fun(int n)
    {
        // if(n==2) System.out.print(n+" ");

        for(int i=2;i<n;i++)
        {
            if(n%i==0)
                return;
        }
        System.out.print(n+" ");
    }
    public void PrintPrimes(int n) {
        //Write your code here
        for(int i=2;i<=n;i++)
            fun(i);
    }
}
```

```
public class Main {  
    public static void main(String[] args) {  
        Scanner sc = new Scanner(System.in);  
        int n = sc.nextInt();  
  
        Solution Obj = new Solution();  
        Obj.PrintPrimes(n);  
    }  
}
```