Assignment 2:

Like a class, an interface can have methods and variables, but the methods declared in interface are by default abstract (only method signature, no body).

Given an inteface in1 which includes a method display which takes an integer as input .

interface in1

{

void display(int p);

}

Task is to write a class testClass which implements interface in1 and has a method named display which takes an integer as input and total number of prime numbers between 2 and integer k (including it). Main function in written for you in the editor.

**Input:**  
The first line will contain an integer **T**(number of test cases). Each test case consists of an integer n.

**Output:**  
Print total number of prime numbers between 2 and the given number ( including them ).

**Constraints:**  
1 < = **T** < = 1000  
2<= n <= 104

**Example:  
Input:**  
2  
13  
19

**Output:**  
6  
8