Count the number of primes less than N (1 <= N <= 100000).

* **[time limit] 3000ms (cs)**
* **[input] integer N**

N

* **[output] integer**

The number of primes less than N

<https://codefights.com/challenge/WLCubrLrQ9grg7S8x/main>

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

namespace ConsoleApplication1

{

class Program

{

static bool esPrimo(int n)

{

if (n < 2) return false;

if (n == 2) return true;

if (n % 2 == 0) return false;

int sqr = (int)Math.Sqrt(n);

for (int i = 3; i <= sqr; i += 2)

{

if (n % i == 0) return false;

}

return true;

}

static int primeCount(int N)

{

int cont = 0;

for (int i = 1; i < N; i++)

{

if (esPrimo(i))

{

cont++;

}

}

return cont;

}

static void Main(string[] args)

{

Console.WriteLine(primeCount(10000));

Console.ReadLine();

}

}

}