using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace PrimeNumber

{

class Program

{

static void Main(string[] args)

{

int i,j,fact;

Console.WriteLine("Enter the size of array:");

int n = Convert.ToInt32(Console.ReadLine());

int[] num = new int[n];

Console.WriteLine("Prime numbers:");

for (i = 0; i < num.Length; i++)

{

fact = 0;

for(j=1;j<=n;j++)

{

if (i % j == 0)

fact++;

}

if (fact == 2)

Console.WriteLine("{0}", i);

}

Console.ReadLine();

}

}

}