

Create a 1D array storing marks of 5 students. Let the marks be 92, 83, 54, 32, 89. Calculate the sum of all the marks, find the highest and the lowest student marks and also calculate the average marks.

Solution:

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;

namespace question36599
{
    class Program
    {
        static void Main(string[] args)
        {
            //creating an array with marks
            int[] studentMarks = new int[] { 92, 83, 54, 32, 89 };
            int sum = 0, min = studentMarks[0], max = studentMarks[0];
            double average;

            //counting the sum of all the marks
            for (int i = 0; i < 5; i++)
                sum += studentMarks[i];

            //finding the lowest mark
            for (int i = 1; i < 5; i++)
                if (min > studentMarks[i]) min = studentMarks[i];

            //finding the highest mark
            for (int i = 1; i < 5; i++)
                if (max < studentMarks[i]) max = studentMarks[i];

            //counting the average mark
            average = sum / 5;

            //output of results
            Console.WriteLine("The sum of all the marks: " + sum.ToString());
            Console.WriteLine("The lowest mark: " + min.ToString());
            Console.WriteLine("The highest mark: " + max.ToString());
            Console.WriteLine("The average mark: " + average.ToString());
        }
    }
}
```

Answer:

The sum of all the marks: 350

The lowest mark: 32

The highest mark: 92

The average mark: 70