

Answer on Question #48965 – Engineering – Other

Task

How to write a program to check whether the input alphabet is a vowel or not using switch case.

Solution (C#)

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
namespace IsVowel2
{
    class Program
    {
        static void Main(string[] args)
        {
            Console.WriteLine("Enter a string");
            // enter string
            string enter = Console.ReadLine();
            // convert string symbols to low case
            enter = enter.ToLower();
            int[] counter = new int[6];
            // check string chars
            for (int i=0; i<enter.Length; i++)
            {
                switch (enter[i])
                {
                    case 'a': counter[0]++;
                        break;
                    case 'e': counter[1]++;
                        break;
                    case 'i': counter[2]++;
                        break;
                    case 'o': counter[3]++;
                        break;
                    case 'u': counter[4]++;
                        break;
                    case 'y': counter[5]++;
                        break;
                }
            }
            // printing results
            Console.WriteLine("The statistic of vowels in the string is:");
            Console.WriteLine("a - {0}\t e - {1}\t i - {2}\t o - {3}\t u - {4}\t, y - {5}\n",
                counter[0], counter[1], counter[2], counter[3], counter[4], counter[5]);
            Console.ReadKey();
        }
    }
}
```