```csharp
1
2  using System;
3  using System.Collections.Generic;
4  using System.Linq;
5  using System.Text;
6  using System.Threading.Tasks;
7
8  namespace LAB_ASSIGNMENT_01
9  {
10     internal class Problem_01
11     {
12         static void Main(string[] args)
13         {
14             string digit_vowel = "0123456789aeiou";
15             // string vowel = "aeiou";
16             Console.WriteLine("Please enter a character to check wether it
                 is a digit , or a vowel or any other character");
17             char c = Convert.ToChar(Console.ReadLine());
18             bool flag = false;
19             for (int i = 0; i < digit_vowel.Length; i++)
20             {
21                 if (c == digit_vowel[i] && i <= 9)
22                 {
23                     Console.Write("This is a digit");
24                     flag = true;
25                     break;
26                 }
27                 else if (c == digit_vowel[i] && i >= 10)
28                 {
29                     Console.WriteLine("THis is a vowel");
30                     flag = true;
31                     break;
32                 }
33
34             }
35             if (!flag)
36             {
37                 Console.WriteLine("You entered any other symbol");
38             }
39             Console.ReadLine();
40         }
41     }
42 }
43
```