```csharp
 1  using System;
 2  namespace LP2_1
 3  {
 4      class Program
 5      {
 6          static void Main(string[] args)
 7          {
 8              string input_str;
 9              char input_char;
10              Console.WriteLine("Enter a Single Character");
11              // Reads an input from user
12              input_str = (Console.ReadLine());
13              // Checks if user entered input is 1 character
14              if (input_str.Length != 1)
15                  Console.WriteLine("Given Input is  " + input_str);
16              else
17              {
18                  // Converts string to a Single Character
19                  input_char = char.Parse(input_str);
20                  Console.WriteLine("Given Character is  " + input_char);
21                  // Condition for vowel checking
22                  if (input_char == 'a' || input_char == 'e' || input_char == 'i' ||
                      input_char == 'o' || input_char == 'u'
23                      || input_char == 'A' || input_char == 'E' || input_char ==
                      'I' || input_char == 'O' || input_char == 'U')
24                      Console.WriteLine("Entered Character '" + input_char + "' is
                       Vowel.");
25                  else
26                      Console.WriteLine("Entered Character '" + input_char + "' is
                       Not a Vowel.");
27              }
28              Console.ReadKey();
29          }
30      }
31  }
32
```