Objective: Create a console application that will accept an input string from the user then display if the string is a palindrome or not.

1. Create a solution called Palindrome
2. Create a console project called Palindrome.Console
3. Add class called Palindrome in Palindrome.cs. This class will have the following method:

bool IsPalindrome(string userInput).

1. Main() will simply retrieve user input and display the results. All processing will be done in the Palindrome class. Utilize the following code to help you get started.

//Reading user input

Console.Write("Please enter a msg:");

string msg = Console.ReadLine();

char[] chArray = msg.ToCharArray(); // Use ToCharArray to convert string to array.

1. All input and output will be done via the console window
2. Prompt the user “Enter text to see if it’s a palindrome:”
3. After displaying the results, the user should be continuously prompted for another text trial or enter “Exit” to quit.
4. Each method will have a Try-Catch block.
5. Subsequent functions will throw errors to the calling function. Only the highest level function will display a user friendly message to the user if an exception is thrown.
6. Test your application by entering “Racecar”, “radar”, and other text to ensure it works correctly

Please remember:

* Use proper names for files and variables that would be meaningful to someone else having to modify your code.
* Structure your code into proper size functions. Each function should do a single task matching its name (action/verb).
* Use proper spacing and indentation so blocks of code are easily recognizable.
* Output must be properly formatted and appear professional.

Submission:

1. Due April 9, 2019 9:00 AM
2. Create “Palindrome” repository in GitHub where all project files will be stored.
3. Email a publicly accessible GitHub link to [samnasr@live.com](mailto:samnasr@live.com) with “Palindrome” in the subject line. In addition, send a screen caption of the test cases and the results.