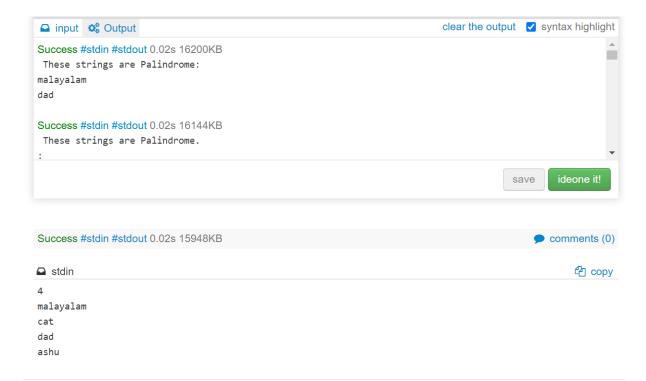
## **C# ASSIGNMENT-DAY-2**

## **NAME: VISHALI M**

1. Create a Non-Static method called "GetPalindromes" which accepts input as array of strings and this method should check if any of strings are palindrome and return list of palindromes and print them on console

```
using System;
public class Test{
  public static bool IsPalindrome(string text)
     if (text.Length <= 1)
       return true:
     else
       if ( text[0] != text[ text.Length - 1 ] )
          return false;
          return IsPalindrome( text.Substring( 1, text.Length-2 ) );
     }
   public static void Main()
     bool tf;
     int n=Convert.ToInt32(Console.ReadLine());
     string[] str1= new string[n];// this is the input array with many strings
     for(int i=0;i< n;i++){}
           str1[i] = Console.ReadLine();
     }
   Console.WriteLine(" These strings are Palindrome.\n:");
   for(int i=0;i< n;i++){
   tf=IsPalindrome(str1[i]);
```



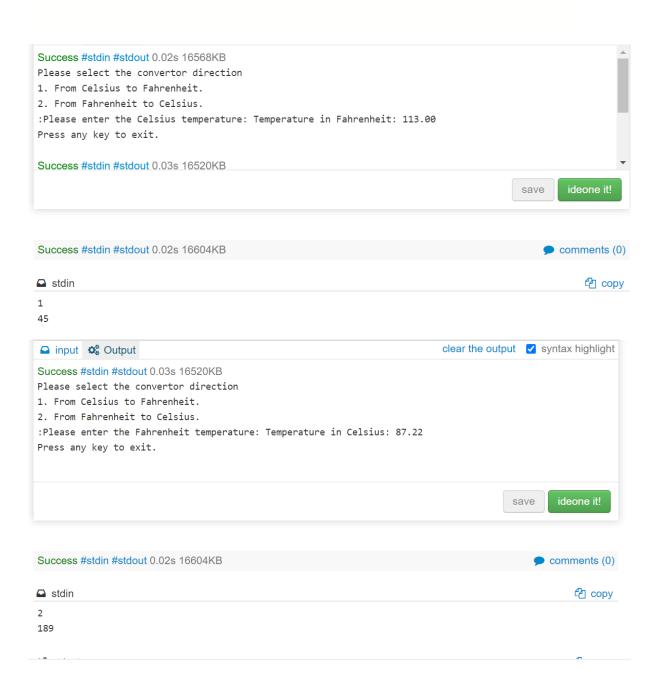
2. Create a static class called **TemperatureConverter.** Which contains two methods that convert temperature from Celsius to Fahrenheit and from Fahrenheit to Celsius: Return value of these methods should be of type "double"

```
using System;
public static class TemperatureConverter
{
    public static double CelsiusToFahrenheit(string temperatureCelsius)
    {
        // Convert argument to double for calculations.
        double celsius = Double.Parse(temperatureCelsius);

        // Convert Celsius to Fahrenheit.
        double fahrenheit = (celsius * 9 / 5) + 32;
```

```
return fahrenheit;
  }
  public static double FahrenheitToCelsius(string temperatureFahrenheit)
    // Convert argument to double for calculations.
    double fahrenheit = Double.Parse(temperatureFahrenheit);
    // Convert Fahrenheit to Celsius.
    double celsius = (fahrenheit - 32) * 5 / 9;
    return celsius;
}
class MainClass {
 public static void Main (string[] args) {
 // Console.WriteLine ("Hello World");
 Console. WriteLine("Please select the convertor direction");
    Console. WriteLine("1. From Celsius to Fahrenheit.");
    Console. WriteLine("2. From Fahrenheit to Celsius.");
    Console.Write(":");
    string selection = Console.ReadLine();
    double F, C = 0;
    switch (selection)
       case "1":
         Console. Write ("Please enter the Celsius temperature: ");
         F = TemperatureConverter.CelsiusToFahrenheit(Console.ReadLine());
         Console. WriteLine("Temperature in Fahrenheit: {0:F2}", F);
         break:
       case "2":
         Console.Write("Please enter the Fahrenheit temperature: ");
         C = TemperatureConverter.FahrenheitToCelsius(Console.ReadLine());
         Console. WriteLine("Temperature in Celsius: {0:F2}", C);
         break;
       default:
         Console. WriteLine("Please select a convertor.");
         break;
     }
    // Keep the console window open in debug mode.
    Console. WriteLine("Press any key to exit.");
    Console.ReadKey();
```

}



3. Create a Static method called "LastWord" which will accepts three parameters position, stringVariable, charToParse and return type as string. for example if I pass position as 1, stringvariable as "welcome prathap" and charToParse as '<whitespace>', it should split string based on charToParse and get first word, if there is no word in given position send message else return word in that position.

```
using System;
public class Test
   public class Utility{
           public static void LastWord(int position, string String Variables, char
charToParse){
                   Console. Write Line (position + ""+string Variables + "
"+charToParse);
           }
    }
   public static void Main()
           Utility.LastWord(1,"Ashu Neelansh",' ');
           String firstWord="Ashu Neelansh".Split('')[0];
           Console.WriteLine("The firstWord is:"+ firstWord);
    }
}
                                                                  clear the output  syntax highlight
 Success #stdin #stdout 0.02s 16288KB
1 Ashu Neelansh
 The firstWord is:Ashu
```