35.Rotation of elements of array-left and right.

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

public class Program35

{

public static void Main()

{

int[] nums = {1, 2, 8};

Console.WriteLine("\nArray1: [{0}]", string.Join(", ", nums));

var temp = nums[0];

for (var i = 0; i < nums.Length - 1; i++)

{

nums[i] = nums[i + 1];

}

nums[nums.Length - 1] = temp;

Console.WriteLine("\nAfter rotating array becomes: [{0}]", string.Join(", ", nums));

}

}

36.Find length of string without using function.

using System;

public class Program36

{

public static void Main()

{

string str; /\* Declares a string of size 100 \*/

int l= 0;

Console.Write("\n\nFind the length of a string :\n");

Console.Write("---------------------------------\n");

Console.Write("Input the string : ");

str = Console.ReadLine();

foreach(char chr in str)

{

l += 1;

}

Console.Write("Length of the string is : {0}\n\n", l);

}

}

37.Remove Spaces from string.

using System;

using System.Text;

class Program37 {

   static void Main() {

      StringBuilder str = new StringBuilder("Patience is key!");

      Console.WriteLine(str.ToString());

      str.Replace(" ", "");

Console.WriteLine(str.ToString());

      Console.ReadLine();

   }

}

38.Check if given string is Palindrome or not. using System;

public class Program38

{

public static bool checkPalindrome(string inputString)

{

char[] c = inputString.ToCharArray();

Array.Reverse(c);

return new string(c).Equals(inputString);

}

public static void Main()

{

Console.WriteLine(checkPalindrome("aaa"));

Console.WriteLine(checkPalindrome("abc"));

Console.WriteLine(checkPalindrome("madam"));

Console.WriteLine(checkPalindrome("1234"));

}

}

39.Capitalize the first and last character of each word of String.

using System;

using System.Linq;

{

class Program39

{

static void Main(string[] args)

{

string str1 = "hello world";

Console.WriteLine("Original string: " + str1);

Console.WriteLine("After converting the first character of each word of the said string:\n" + test(str1));

str1 = "The World You Live In Is Created By Your Mind";

Console.WriteLine("\nOriginal string: " + str1);

Console.WriteLine("After converting the first character of each word of the said string:\n" + test(str1));

}

public static string test(string str1)

{

return string.Join(" ", str1.Split(' ').Select(str1 => char.ToUpper(str1[0]) + str1.Substring(1)));

}

}

}