**TASKS**

(1) Write a program that takes as input a four-digit number in format abcd (e.g. 2011) and performs the following actions:

– Calculates the sum of the digits (in our example 2+0+1+1 = 4).

– Prints on the console the number in reversed order: dcba (in our example 1102).

– Puts the last digit in the first position: dabc (in our example 1201).

– Exchanges the second and the third digits: acbd (in our example 2101).

(2) Write a program that applies bonus points to given scores in the range [1…9] by the following rules:

– If the score is between 1 and 3, the program multiplies it by 10.

– If the score is between 4 and 6, the program multiplies it by 100.

– If the score is between 7 and 9, the program multiplies it by 1000.

– If the score is 0 or more than 9, the program prints an error message.

(3) Write a C# Sharp program to compute the sum of the two given integer values. If the two values are the same, then return triple their sum.

*Sample Input*:  
- 1, 2  
- 3, 2  
- 2, 2  
*Expected Output*:

* 3
* 5
* 12

(4) **Write a C# Sharp program to check two given integers and return true if one of them is 30 or if their sum is 30.**

**Sample Input:  
- 30, 0  
- 25, 5  
- 20, 30  
- 20, 25  
Expected Output:**

* **True**
* **True**
* **True**
* **False**

**(5)**  **Solve the following string manipulation questions**

**(a) Write a C# Sharp program to create a new string where 'if' is added to the front of a given string. If the string already begins with 'if', return the string unchanged.**

***Sample Input*:  
- "if else"  
- "else"  
*Expected Output*:**

**- if else**

**- if else**

**(b) Write a C# Sharp program to remove the character in a given position of a given string. The given position will be in the range 0.. string length -1 inclusive.**

***Sample Input*:  
- "Python", 1  
- "Python", o  
- "Python", 4  
*Expected Output*:**

* **Pthon**
* **ython**

**- Pythn**

**(c) Write a C# Sharp program to exchange the first and last characters in a given string and return the new string.**

***Sample Input*:  
- "abcd"  
- "a"  
- "xy"  
*Expected Output*:**

* **dbca**
* **a**

**- yx**

**(d) Write a C# Sharp program to create a new string which is 4 copies of the 2 front characters of a given string. If the given string length is less than 2 return the original string.**

***Sample Input*:  
- "C Sharp"  
- "JS"  
- "a"  
*Expected Output*:**

* **C C C C**
* **JSJSJSJS**
* **a**

(06) **A given company has name, address, phone number, fax number, web site and manager. The manager has name, surname and phone number. Write a program that reads information about the company and its manager and then prints it on the console.**

(07) **A company dealing with marketing wants to keep a data record of its employees. Each record should have the following characteristic – first name, last name, age, gender (‘m’ or ‘f’) and unique employee number (27560000 to 27569999). Declare appropriate variables needed to maintain the information for an employee by using the appropriate data types and attribute names**.

#Links

<http://www.pakproject.com/c-sharp/c-practice-problems/>

<https://www.w3resource.com/csharp-exercises/basic-algo/index.php>