**C# LANGUAGE EXERCISES**

***Lesson 1*** : Print to the screen odd composite numbers <100. (*Composite number is natural numbers greater than 1 and must be divisible by a number > 1 and itself.)*

***Lesson 2*** : Print out 10 second prime numbers.

***Lesson 3*** : Print out the screen the numbers between 100 and 200 and divide by 2, 4, 6.

***Lesson 4:*** Print the first 4 perfect numbers on the screen (*Perfect number is the number that equals the sum of its divisors including 1*)

***Lesson 5*** : In the natural numbers <= 100 count how many numbers there are:

- Divide by 5.

- Divide 5 with the remainder 2.

- The end digit is “5”.

***Lesson 6:*** Given any natural number N> 1 (previously assigned). Print out the successful development of prime numbers from small to large.

*Example:*  9 --> 3.3 12 --> 2.2.3

***Lesson 7:*** Given an array of natural numbers, write a program that arranges this array in descending order.

***Lesson 8*** : Given an array of natural numbers, print out the screen all prime numbers of this array.

***Lesson 9*** : Given an array of natural numbers, count how many prime numbers there are in the above array, how many composite numbers there are.

***Lesson 10:*** Given a string of full name's name, please separate: lastname and firstname.

***Lesson 11*** : Given a string consisting of all characters 0, 1. Let's transform this string in a way 0 -> 1, 1-> 0 and print the result.

***Lesson 12*** : Given an array of string S1, S2 ... Sn. Find and print the longest string element.

***Lesson 13*** : Give a students list with the fullname of students. Count how many Students that first name’s "Yen".

***Lesson 14*** : Give a students list with fullname of students. Count how many of you have the "Van" padding.

***Lesson 15:*** Give a students list with fullname of students. Count how many students that their lastnames starting with the letter "T".