TD2
Object Oriented Programming

1-

Use the class *OperationArray* seen in the previous TD to implement a method called *rotate* that permits to rotate the elements of the array k positions. Rotation is from the right to the left. Example:

Before rotation

2	6	8	4	11

K=2 rotations

After rotation

4	11	2	6	8

2-

Write in C# language a static method *convertBinaryToDecimal (int [] T)* that replaces the even numbers in the array T by 0 and replaces the odd elements by 1 then converts the binary number appearing in the first eight elements in the array to decimal value and return it. Note that the first element in the array corresponds to the weak weight of the binary number.

3-

a) Write a static method **displaySeries (int N)** in C# language, using a loop 'while', that displays the N first numbers of the series 2, 5, 8, 11, 14, 17,….   , on sequence lines, at the rate of five numbers per line.

b) Repeat the question 'a' with a loop 'do-while'.

c) Repeat the question 'a' with a loop 'for'.