

TSIS 4. SERIALIZATION

Useful links:

1.XML Serialization and Deserialization

<https://docs.microsoft.com/en-us/dotnet/standard/serialization/how-to-serialize-an-object>

<https://docs.microsoft.com/en-us/dotnet/standard/serialization/how-to-deserialize-an-object>

2.Binary Serialization

<https://docs.microsoft.com/en-us/dotnet/standard/serialization/basic-serialization>

Task 1

1. Write serialization and deserialization for the Complex number class.

Note: A complex number is a number that can be expressed in the form $a + bi$, where a and b are real numbers, and i is a solution of the equation $x^2 = -1$. Because no real number satisfies this equation, i is called an imaginary number. For the complex number $a + bi$, a is called the real part, and b is called the imaginary part.

Task 2

1. Create a class Mark having a field points (e.g. 95) and a method getLetter (e.g. A-). Provide ToString method. Then create several objects of Mark, store them in a List and serialize, deserialize.