**Assignment 2**

**Serialization**

**Weighting: 5%**

**Instructions**: Complete the following exercises and submit in a Word document through Moodle (copy and paste the code into the document). ~~The Word document should consist of (1) a header sheet with your name, student number, class and assignment number~~ (2) the source code you have created (3) a screen shot of the final outputs.

**Part 1: (65%)**

~~Create a Phone class, and the following Phone instances in a main class:~~

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ~~Make~~ | ~~Model~~ | ~~Memory (GB)~~ | ~~Camera (MP)~~ | ~~Screen Size (Inches)~~ | ~~Smart~~ | ~~Price (€)~~ |
| ~~Sony~~ | ~~Experia X~~ | ~~32~~ | ~~12.5~~ | ~~4.6~~ | ~~Yes~~ | ~~150~~ |
| ~~Sony~~ | ~~Experia Z~~ | ~~64~~ | ~~14.2~~ | ~~5.6~~ | ~~Yes~~ | ~~175~~ |
| ~~Samsung~~ | ~~Galaxy M~~ | ~~64~~ | ~~14.5~~ | ~~5.4~~ | ~~Yes~~ | ~~180~~ |
| ~~Nokia~~ | ~~3330~~ | ~~16~~ | ~~13.2~~ | ~~2.3~~ | ~~No~~ | ~~90~~ |
| ~~Motorola~~ | ~~M1~~ | ~~8~~ | ~~11.3~~ | ~~4.9~~ | ~~Yes~~ | ~~100~~ |
| ~~IPhone~~ | ~~6~~ | ~~32~~ | ~~13.5~~ | ~~6.4~~ | ~~Yes~~ | ~~250~~ |
| ~~Alcatel~~ | ~~A3~~ | ~~8~~ | ~~9.3~~ | ~~2.4~~ | ~~No~~ | ~~50~~ |

~~Serialize all objects into “phone.ser”, and deserialize.~~

Delete the Alcatel object, ~~and add a new phone to the list.~~

**Part 2: (35%)**

Create a GUI, when a button is pressed, displays (show) all phone objects in a text box. (One text box will suffice).

When a second button is pressed, clear all values from the text box (hide).