

CSE105 Introduction to Programming in Java, 2016

Assignment 2, prepared by Chris Trathen

This assignment is to be done in a 2 hour lab class. During the 2 hours you must analyze a problem requirement and design and code a solution in Java. The actual problem will be given to you at the beginning of the lab class. Each lab class will have a different problem of equivalent difficulty.

At the end of the 2 hours you will upload your Java code as one or more **.java** files. Upload one RAR or ZIP file that contains your **.java** file(s). The RAR or ZIP file must have your student number as the file name. You may also upload one **.java** file, but the name must contain your student number.

In your Java code you must include:

- Your student number in a comment near the top.
- Comments throughout the code explaining briefly what the code achieves.

This is an open book assessment. You may use resources from anywhere, but if you include actual code written by someone else, you must acknowledge that with a comment showing the author of the code. Typically, this might be a method written by someone else for some specific function; for example a method to input a date from the keyboard. Put the author's name at the beginning of the method. If you include code written by others that is not acknowledged, it will be regarded as plagiarism.

This is an individual assessment. Talking with other students is not permitted. Email and other form of communication are not allowed. Phones may not be used.

You will be marked on your attempt to solve the problem. You can pass without fully solving the problem. Marking criteria:

- The Java code is well constructed including good use of methods.
- Comments are used to describe the code. One or two comment lines per class and method and large chunk of code are sufficient.
- Input and output is user friendly. For example clear instructions are given when prompted for input. Output is displayed in a useful manner.
- Input is validated. For example checking that a number is in a certain range.
- How well does the code solve the problem.
- How much of the code is written by the student.

During the assessment you may ask the teacher about the problem requirement and submission. You cannot get help with your Java code.

This assignment is individual work. Plagiarism (e.g. copying materials from other sources without proper acknowledgement) is a serious academic offence. Plagiarism will not be tolerated and will be dealt with in accordance with the University Code of Practice on Assessment.