Introduction to Programming - Lab Exercises for Week 01

1. In order to familiarise yourself with the Eclipse environment you should try the famous *Hello World* application. The Eclipse tutorials take you through this application step by step. You can find it by selecting the tutorial icon when Eclipse opens up.

2. The version of the *Hello World* you have implemented above uses *System.out*. Change the code so that it uses *TextIO* (*see lecture slide 27*).

3. Create a new application *HelloWorld2* which displays a greeting and your name to the console. Your name should be stored in two *String* variables called *firstName* and *lastName* e.g.

   String firstName = "Joe"
   String lastName = "Bloggs"

4. Modify *HelloWorld2* so that your name is displayed in the order *lastName* then *firstName.*

5. Create a new application *HelloWorld3* which displays a greeting, then your name and the values of your age and your height (stored as *int* and *double* variables respectively). Remember to include comments at the top of the class file.

6. Write a program that will print your initials to standard output in letters that are nine lines tall. Each big letter should be made up of a bunch of *'s. For example, if your initials were "DJE", then the output would look something like:

```
******        *************    **********
**    **             **         **
**     **            **         **
**      **           **         **
**      **           **         ********
**      **    **     **         **
**      **     **    **         **
**     **       ** **           **
*****           ****            **********
```

   [Hint – you might find it useful to sketch out your initials in a grid before implementing.]

   (*This is exercise 1 in chapter 2 of the book*)