Lab 0

Debugging Exercise

In this workshop, you are to debug a given program and generate interface documentation.

**LEARNING OUTCOMES**

Upon successful completion of this workshop, you will have demonstrated the ability

* to create a Visual Studio project for C++ console applications
* to use the Visual Studio debugger to diagnose and correct program errors
* to identify the use of fundamental object-oriented programing concepts
* to generate interface documentation using DOxygen

**SPECIFICATIONS**

This workshop contains three files:

* **L0.h**
* **L0.cpp**
* **Kingdom.h**

**INSTRUCTIONS**

* Create a new Visual Studio project and place the L0 module in it (**L0.h**, **L0.cpp**)
* Answer Questions 1-4
* Attempt to run the program. Use the debugging features included with Visual Studio to get the program to run and produce your expected results
* Annotate the **L0.h** file to create interface documentation at the file, structure and member level using [DOxygen](http://www.stack.nl/~dimitri/doxygen/index.html). Output your documentation **in rtf format**. Refer to the DOxygen documentation for instructions on how to generate such files. The **Kingdom.h** file has been annotated with DOxygen tags as an example.

Note: you can install DOxygen on your machine or you can upload your files to ICT’s matrix server and run it there

* Submit your files using Question 5 and 6