OOP244 Quiz #1 – Section A

1. True or False – C++ is purely an object orientated language. (1 mark)

False

1. What is encapsulation? (1 mark)

-Shields the complex details of an objects implementation

-Encapsulation is used for data-hiding

1. List the core concepts of an object orientated programming language? (1 mark)

Encapsulation

Polymorphism

Inheritance

1. You have an un-compiled C++ project that uses the following files;
   1. main.cpp
   2. functions.h
   3. functions.cpp
   4. variables.h

What would be command line command, using **either** the GNU C++ compiler found on Matrix/Linux or the Microsoft command line compiler, to compile these files into an executable called “prg.out”. Ensure to use the C++11 standard when compiling, as well as enabling all warnings. (3 marks)

g++ -o prg.out –Wall –std=c++0x main.cpp functions.cpp

cl /Fe prg.out –Wall main.cpp functions.cpp

1. For each allocation, write the line of code that prevents a memory leak. (1 mark).
   1. int\* z = new int[5];

delete [] z

* 1. double\* a = new double;

delete a;