OOP244 Quiz #1 – Section A

1. True or False – C++ is purely an object orientated language. (1 mark)
2. What is encapsulation? (1 mark)
3. List the core concepts of an object orientated programming language? (1 mark)
4. 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)

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