**CSC312 ASSIGNMENT**

**DESCRIPTION OF HOW A C++ CODE CAN BE CONVERTED TO MACHINE LANGUAGE CODE.**

A C++ code can be converted to machine language code using a C++ compiler and then the machine code begins execution after the operating system’s loader loads it into memory.

You need two programs to create your own C++ programs. First, you need a *text editor* that you can use to enter your C++ instructions. Any editor capable of generating straight ASCII text letters will work.

However, an editor that knows something about the syntax of C++ is preferable; it can save you a lot of typing, and sometimes highlight any mistakes you might make as you type, in much the same way that a spell checker highlights misspelled words in a word processor.

The second program you need is a *compiler* that converts your C++ source statements into machine language that the computer can understand and interpret. This process of converting from source-code C++ statements to machine code is called *building*. Graphically, the process looks something like this:

