Week 1 – Getting Started

The aim of this examples paper is to familiarise yourself with Visual Studio 2019. At the end of the session, you must be able to create a simple (console-based) C++ application, compile, debug and execute that within your IDE environment.

1. Create a console application to display “Hello, World!”, you may start from the code L1D1.cpp
2. Create a console-based application that takes an input word from the user, then replaces the first “a” letter in the word with “e” letter and prints the output to the screen.

Hint: You need to use the functions “find” and “replace” from the <string> library. Use the examples in the documentation to help you get familiar with how these functions are used:

<https://www.cplusplus.com/reference/string/string/find/>

<https://www.cplusplus.com/reference/string/string/replace/>

Questions to think about:

1. What are the differences between high and low level programing languages?
2. What are the roles of the pre-processor, compiler and linker?