

Lab 1

Comp 11 - Summer Session — Terminal and Hello World

1.1 Description

In this lab we will write our first C++ program and get more comfortable with the terminal

Our objectives are the following:

- Make sure everyone can log in.
- Run some terminal commands
- Compile our first program "Hello World"

1.2 Files

You will be creating the files from scratch for this lab.

1.3 Output

The expected output of the program will be the text "Hello World"

1.4 Refresher

We are going to copy the example from the slide to write the hello world program.

We are also going to use the terminal commands:

- `cd` - change the directory we are in

- `ls` - list the contents of the current directory we are in
- `mkdir` - make a directory
- `touch` - creates a new blank file (otherwise, just use a text editor like Kate)
- `clang++` - The compiler that we are going to use.

1.5 Submission

```
1 provide comp11 lab1 first_file.cpp second_file.cpp third_file.cpp
```

Listing 1.1: Submit Assignment

1.6 Going Further

Did you enjoy this lab? Want to try out some additional commands to go further?

- Try outputting another line of text.
- Try removing the backslash `\n`) from the lines you output and see what happens.
- Try adding: *using namespace std;* before the line *int main()*. What this does is tells the compiler that we are using commands prefixed `std`. This saves us from typing the prefix `std::` every time.