

Week 1: Understanding The Module

W1_Practical.cpp

Objective: Set up your C++ development environment and compile/run your first program.

Task: Write a C++ program that prints your name and your favourite hobby to the console.

Solution:

C++

```
// Include the input-output stream library, which allows us to print to the console.
```

```
#include <iostream>
```

```
// Include the string library to use the std::string type.
```

```
#include <string>
```

```
int main() {
```

```
    // Declare and initialize a string variable for your name.
```

```
    std::string name = "Alex";
```

```
    // Declare and initialize a string variable for your hobby.
```

```
    std::string hobby = "playing guitar";
```

```
    // Print the output to the console.
```

```
    // std::cout is the standard character output stream.
```

```
    // << is the stream insertion operator.
```

```
    // std::endl inserts a new line and flushes the stream.
```

```
    std::cout << "My name is " << name << "." << std::endl;
```

```
    std::cout << "My favourite hobby is " << hobby << "." << std::endl;
```

```
    // Return 0 to indicate that the program executed successfully.
```

```
    return 0;
```

```
}
```