

# An Engineers' beginners guide to Python (from a students perspective)

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## 1 Introduction

This document could be thought as the one stop shop to succeed in EMS412U python side of the module.

## 2 Week 0: The laying the foundation

Let's start with the most basic python program and explain some key concepts. Below is what's called a "code block", this contains the actual raw python code.

```
1 # Author: Muhie
2 # Date: 21/05/24
3 # Explanation of the program: Outputs a Hello World! to the screen
4 print("Hello World!")
5
```

In every program you write you need to make it a habit to add Syntax - these are mainly keywords (and symbols) in every programming language the syntax of language can be slightly different, in the example above .

## 3 Week 1: Building it up

## 4 I NEED HELP WHAT DO I DO!