

WEEK 1 (CODE-S)

Full Stack Development with Python and Django

WHAT IS PYTHON?

100%

Python is a Programming Language.

WHAT IS A
PROGRAMMING
LANGUAGE?



100%

A programming **language** allows a human to talk to the
computer.

COURSE OUTLINE

So what exactly are we going
to use Python Programming
Language for???

1. Web App

2. Desktop App

~~3. Mobile App~~

INSTALLING PYTHON AND VISUAL STUDIO CODE

- To be able to use python we need to install it on our computer.
- After installing python we also need to install Visual Studio Code **Text Editor**.
- Text Editor is what is used to write code. There are many Text Editors but we will use **Visual Studio Code**.
- Feel free to use your favorite Text Editor if you know what you are doing.
- ...

FIRST PYTHON PROGRAM

- We have installed python.
- We have install vscode.
- Now we setup vscode,
- And write our first program.
- The important thing to note here is the setup.

VARIABLES

- ❖ Variables allows you (the programmer) to instruct your code to store values in the computer's memory (RAM).
- ❖ In python there are four main types of variables
- ❖ **String (str)**
- ❖ **Integer (int)**
- ❖ **Float (float) – Numbers with decimal places**
- ❖ **Boolean (bool) – True, False**

PROGRAM CONTROL FLOW

- ★ In which order does python write your code?
- ★ Making decisions in your code.
- ★ Repeating your code in a loop.
- ★ Taking input with your code.
- ★ More operations with variables.
- ★ [https://en.wikipedia.org/wiki/Truth table](https://en.wikipedia.org/wiki/Truth_table)
- ★

MOBILE MONEY SIMULATION

- USER ENTER CODE *170#
- WE DISPLAY OPTIONS
- AND SO ON AND SO FORTH