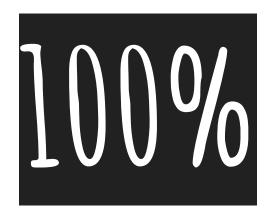
WEEK 1 (CODE-S)

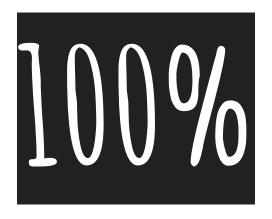
Full Stack Development with Python and DJango

WHAT IS PYTHON?



Python is a Programming Language.

WHAT IS A PROGRAMMING LANGUAGE?



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
- 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

MOBILE MONEY SIMULATION

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