WEEK 1

Takeaways:
1. You need not remember the syntax and functions for now
2. You should be able to do the following:
   a. Identify the next step in your code. You need to know what is the input and output of this step
   b. You should be able to enter the appropriate prompt in ChatGPT or appropriate search request on Google (use stackoverflow). When you get the snippet of the code, you should understand all the functions used in that.
   c. You should be able to integrate that snippet of code into your code.

   Note that each step you identify in a. has to be short, specific and straightforward.

Integrated development environment (IDE)

Click this link: **Google Colab** and follow this video:

▶ Google Colab Tutorial for Beginners | Get Started with Google Colab

You will be writing all your code in Colab for now

1. **Go through Python HOME to Python Arrays here:**
   https://www.w3schools.com/python/default.asp
   Note 1: Throughout this tutorial, the code examples are presented in .py files. However, you should execute your code in a single cell within a Colab Notebook. Upon running the cell, you'll observe the output directly beneath it.
   Note 2: Address each exercise as you progress.

Topics to be completed in the Python Tutorial

Python Tutorial
- Python HOME
- Python Intro
- Python Get Started
- Python Syntax
- Python Comments
- Python Variables
- Python Data Types
- Python Numbers
- Python Casting
- Python Strings
- Python Booleans

- Python Operators
- Python Lists
- Python Tuples
- Python Sets
- Python Dictionaries
- Python If...Else
- Python While Loops
- Python For Loops
- Python Functions
- Python Lambda
- Python Arrays