🐍 Python Basics

Videos Covered: Variables, Types, Lists, Arrays
Practice Tasks:

1. Create a program that stores your name, age, and favorite programming language.
2. Make a list of 5 numbers. Write code to:
    - Find the sum
    - Find the average
    - Sort the list

🔧 Functions (Parts 1–3)

Practice Tasks:

1. Write a function that calculates the square of a number.
2. Write a function that takes two numbers and returns their sum, product, and difference.
3. Create a function that checks if a number is even or odd.

📦 Modules and Imports

Practice Tasks:

1. Import the `math` module and use it to:
    - Find the square root of 64
    - Get the value of pi
2. Use `random` to generate a list of 5 random numbers between 1 and 100.

🧱 Objects, Attributes & Methods

Practice Tasks:

1. Create a simple class `Car` with attributes `make`, `model`, and `year`.
2. Add a method that prints the car's full description.
3. Create 2 different car objects and call the method.

🎨 Data Visualisation + Docs

Practice Tasks:

1. Import `matplotlib.pyplot` and plot:
    - A line graph showing temperature over 7 days
    - A bar chart showing your weekly expenses
2. Practice reading Python documentation for `matplotlib.pyplot.plot()`.

🚗 Code Style & Naming

Practice Tasks:

1. Review one of your old Python scripts and:
    - Rename variables using `snake_case`
    - Add comments where needed
    - Follow PEP 8 for indentation and spacing
