

# Week 5

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### Objectives & Outcomes

#### - Planned:

- Apply class-based design principles.

#### - Achieved:

- In depth knowledge about python OOP concepts

Script: [\*cl.py\*](#)

### Code & Explanations

- **What it does :** A basic python class and object, with class variable and function

Script: [\*cons.py\*](#)

### Code & Explanations

- **What it does :** A python class with constructor that class its inherited constructor

Script: [\*inhr.py\*](#)

### Code & Explanations

- **What it does :** A python class inheriting another class

Script: [\*encap.py\*](#)

### Code & Explanations

- **What it does :** A python class that hides a variable that cant be accessed from outside the class

Script: *poly.py*

## Code & Explanations

- **What it does :** A python class with method overriding