

# Week 5

## Hosain Masba Tamim

### 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