

AI . FREE Team 讀書會

# Python & 雲端服務平臺



鄭中嘉 ( Eric ) – 2022/03/26



## Position: Where are we now? – Week 5

Position

- Object Oriented Programming (Optional)

- Learning Objectives

- Demonstrate object-oriented programming using classes and objects
- Implement classes with custom attributes and methods
- Write **docstrings** to document classes and methods
- **Leverage inheritance** to reduce code duplication
- Import and **use Python modules** to access powerful classes and methods



## History 1/2: What has been shared?

### Object-oriented Programming

- OOP Introduction
- What is Object-Oriented Programming?
- Classes and Objects in Python (**dir()**, **help()**)
- Defining New Classes (**Dot Notation**)

## History 2/2: What has been shared?

### Classes and Methods

- Instance Methods (**instance variable**)
- Constructors and Other Special Methods (**\_\_init\_\_**, **\_\_str\_\_**)





## Topic 1: Documenting Functions, Classes, and Classes

Position

History

Topic

**Docstring: A brief text that explains what something does**