Welcome! This is Thomas Mak.

Handouts URL: https://MakClass.com

Course Grading

- Class Performance
- Workbooks
- Final Test Project

Python 3.8

Current major Python version is 3.8.
(Note: 3.9 was just released at Oct 5, 2020.)

Python distributions

- python.org official build
- Anaconda

Running Python

- Via distributions installation
- Running on Web Browsers
- Running on iOS
- Running on Android
- Running on Server-side

Community & Python Enhancement Proposals

- PEP 8

Running Python on Web Browsers

Shortcut: http://mak.la/python-web

The easiest way to run Python is through web browser. The following lists some of the online editor that you run Python code directly.

- https://repl.it/languages/python3
- https://www.onlinegdb.com
- https://www.programiz.com/python-programming/online-compiler/
- https://trinket.io/features/python3
- https://www.pythonanywhere.com

Defining variables

```python
# Defining variables
# This is comment that Python won't process.
# Comment is for human reading.

a = 1

b = 2
c = a + b

print(c)
```

Common variable types

- Int
- Float
- String
- True/False
- List
- Tuple
- Set
- Dictionary
- None

Printing result

```python
temperature = 28
weather = "sunny"

# Concat strings together
print(f"It is {weather} today, {temperature} Celsius degrees.")
```

Taking user inputs

```python
name = input("What is your name? ")
print(f"Hello {name}")
```