# Python Installation



*"**Python Installation** - Prerequisite"*
*as a special science competition of KMSO 2020*
*Prepared by Dr. Jeongkyu Lee*

# Before KMSO Day

- Install Python
    - Python 3.8.2 is recommended
    - But, 3.8.X are possible

# Install Python

- Python.org
  - Windows using Youtube: https://youtu.be/vt7carwHQ-E
  - MacOS: https://www.saintlad.com/install-python-3-on-mac/
- As of Fall 2020, current version is 3.9.0. This season is based on 3.8.2 (stable version).

# For Windows

## Installing Python

In order to be able to run Python programs on your computer, you need to install a *Python Interpreter*. An interpreter is a program that is capable of reading a `.py` file that you have written, and translating the Python code in that file to instructions that your computer can easily execute. Begin by downloading Python:

- Windows 64-bit installer (If you're using a relatively new Windows computer, download this file)
- Windows 32-bit installer (If you're using an older Windows computer, download this file)

## Installing Python on Windows

Open the downloaded file. Before installing, there should be an option that says "Add Python 3.8 in PATH". Make sure to check this box. Then, continue installing normally.

# For Mac

## Installing Python

In order to be able to run Python programs on your computer, you need to install a *Python Interpreter*. An interpreter is a program that is capable of reading a `.py` file that you have written, and translating the Python code in that file to instructions that your computer can easily execute. Begin by downloading Python:
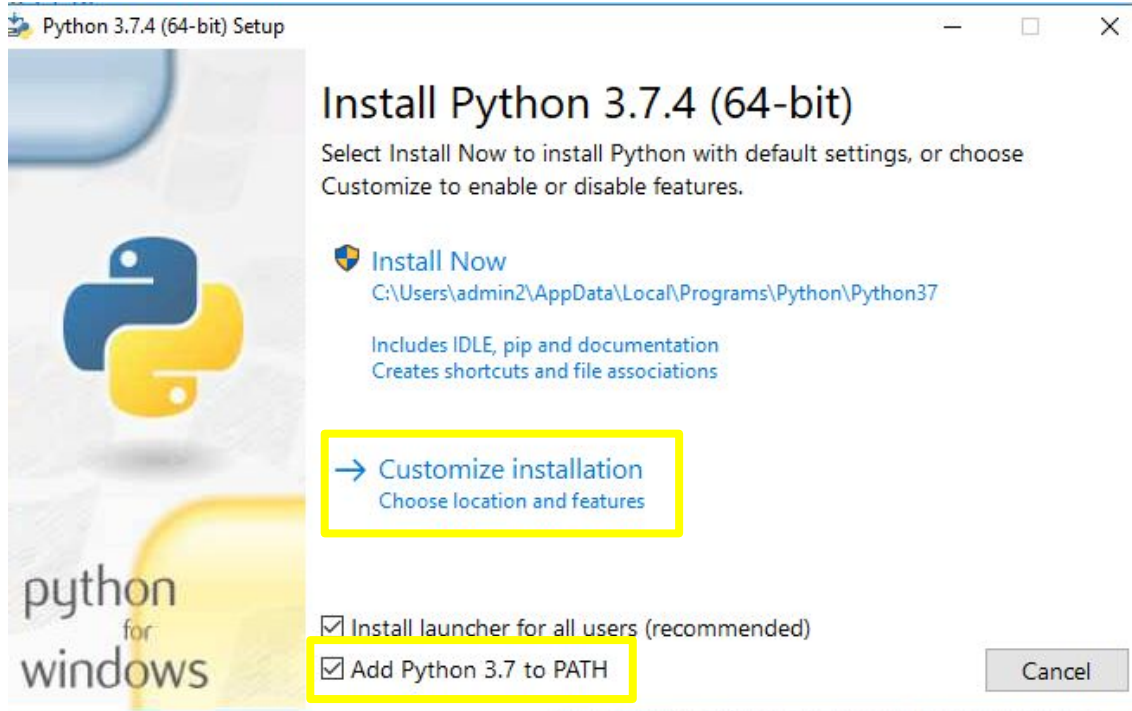
- Mac Installer

## Installing Python on a Mac

Macs come with a version of Python installed, but this is an older version of Python. Anyone Python requires the use of the newest version of Python, so make sure to follow these instructions even if you think you already have Python installed. To install Python, simply open the downloaded installer file and follow the default instructions.

# Download

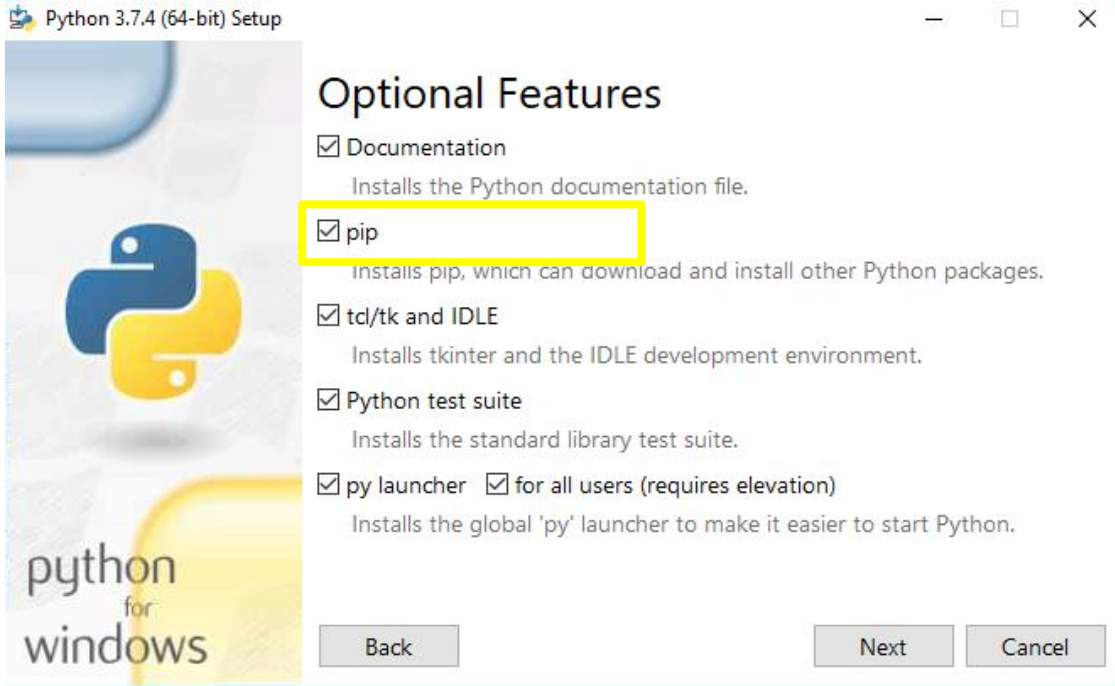- Select "Download Python 3.x.x" (x.x. can be different depending on version)

# Installing



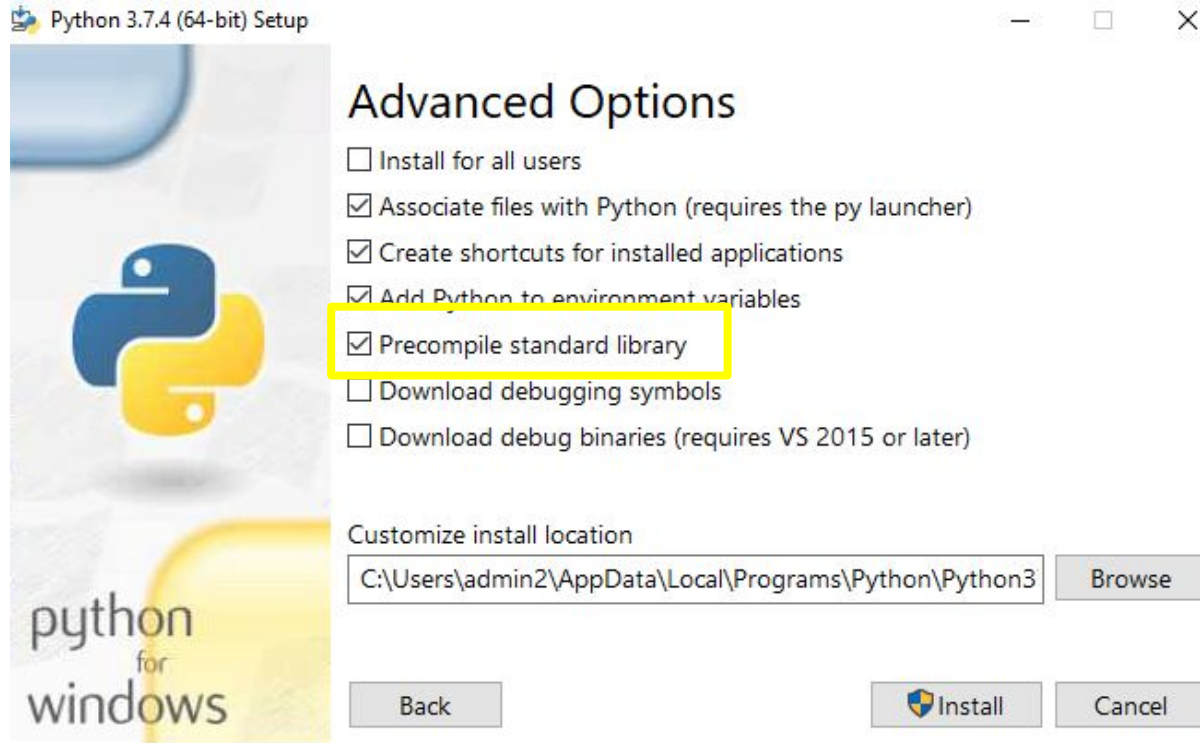- Check "Add Python 3.x to PATH"

- Select "Customize installation"
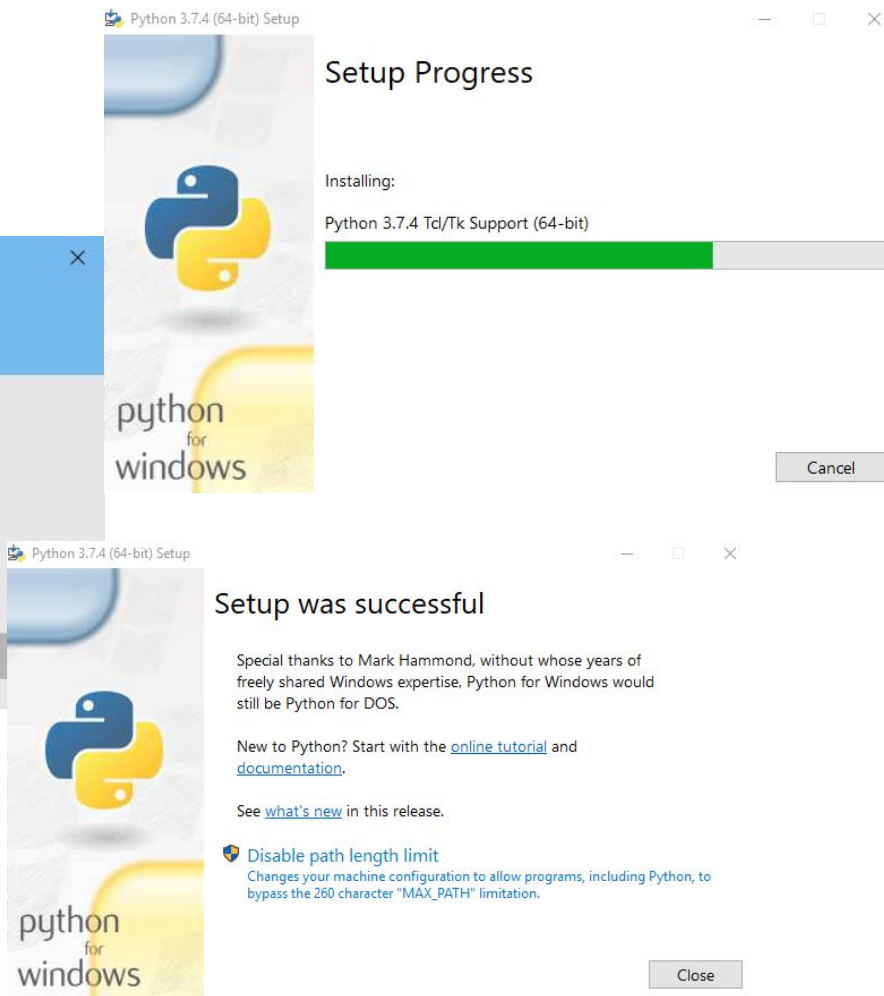
# Installing (Cont)



- Check "**PIP**"

- "Next"

# Installing (Cont)



- Check
- Select "Install"

# Installing (Cont)



**User Account Control** ✕

Do you want to allow this app to make changes to your device?

Python 3.7.4

Verified publisher: Python Software Foundation
File origin: Hard drive on this computer

Show more details

| Yes | No |

Python 3.7.4 (64-bit) Setup ⎯ ☐ ✕

## Setup Progress

Installing:

Python 3.7.4 Tcl/Tk Support (64-bit)

Cancel

Python 3.7.4 (64-bit) Setup ⎯ ☐ ✕

## Setup was successful

Special thanks to Mark Hammond, without whose years of freely shared Windows expertise, Python for Windows would still be Python for DOS.

New to Python? Start with the online tutorial and documentation.

See what's new in this release.

🛡 Disable path length limit
Changes your machine configuration to allow programs, including Python, to bypass the 260 character "MAX_PATH" limitation.

Close

# Test Python for Mac

- Start Terminal
- Type the following command

```
$ python3 --version
```

# Test Python for Windows

- Start cmd.exe
- Type the following command

```
$ python --version
```