

# **PyBullet Framework Guide**

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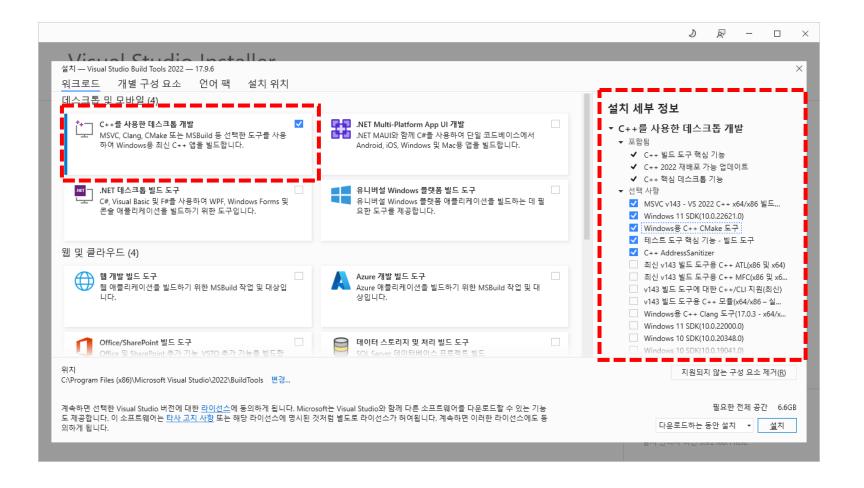
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#### 1) Visual Studio C++ Build Tools

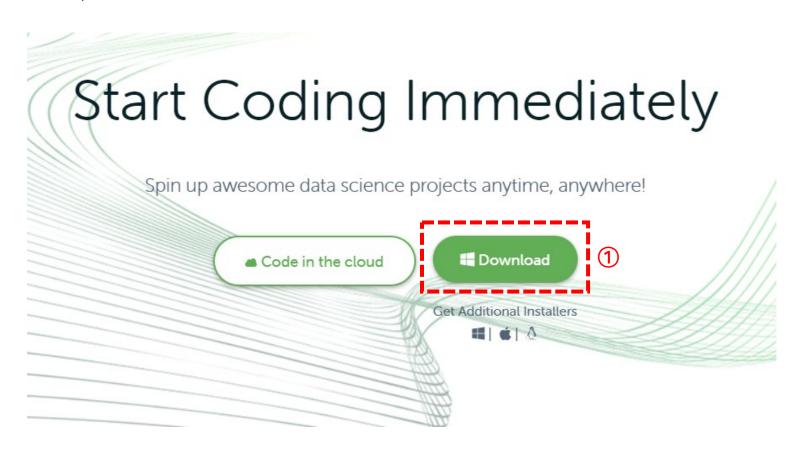
① Install buildtools from <a href="https://aka.ms/vs/17/release/vs\_BuildTools.exe">https://aka.ms/vs/17/release/vs\_BuildTools.exe</a>





### 2) Anaconda

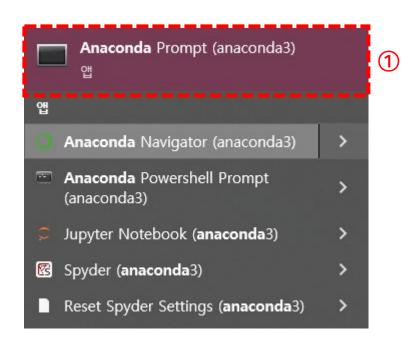
① Install anaconda from <a href="https://www.anaconda.com/">https://www.anaconda.com/</a>

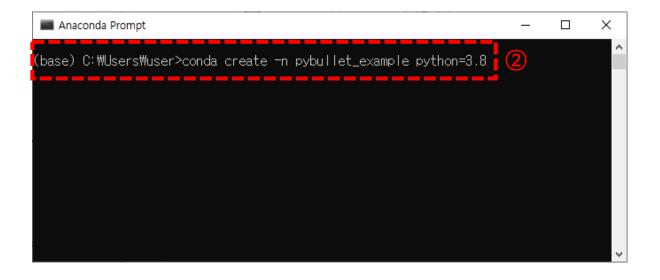




### 2) Anaconda

② Open anaconda prompt, and create new environment





>conda create -n [env name] python=3.8



### 2) Anaconda

② Activate new environment

```
Anaconda Prompt

Verifying transaction: done

Executing transaction: done

#
# To activate this environment, use

#
# S conda activate pybullet_example

#
# To deactivate an active environment, use

#
# $ conda deactivate

(base) C:\Users\user>\conda activate pybullet_example

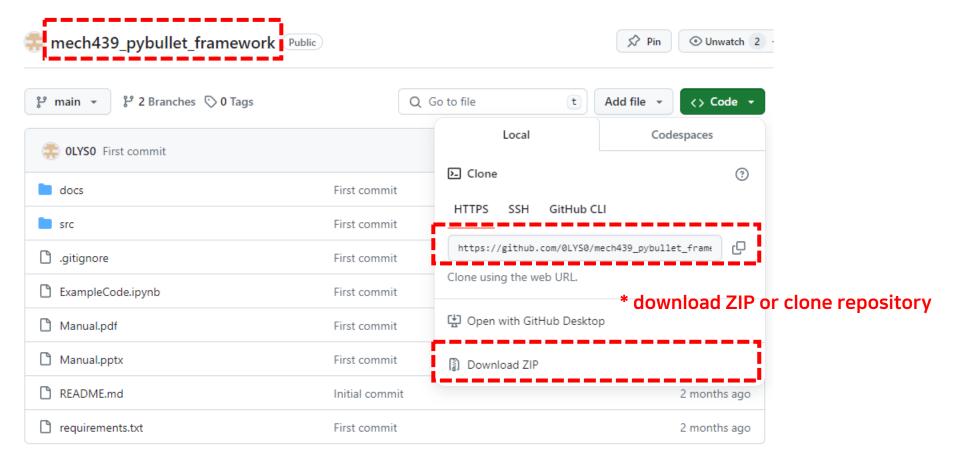
(pybullet_example) C:\Users\user>\user>
```

>conda create activate [env name]



#### 3) Source Code

- ① Download source code from <a href="https://github.com/OLYSO/mech439\_pybullet\_framework">https://github.com/OLYSO/mech439\_pybullet\_framework</a>
  - \* Place the folder in a path without special characters (ex. Korean).





### 4) Install python packages (dependencies)

① Install the required dependencies via "pip install" and "conda install".



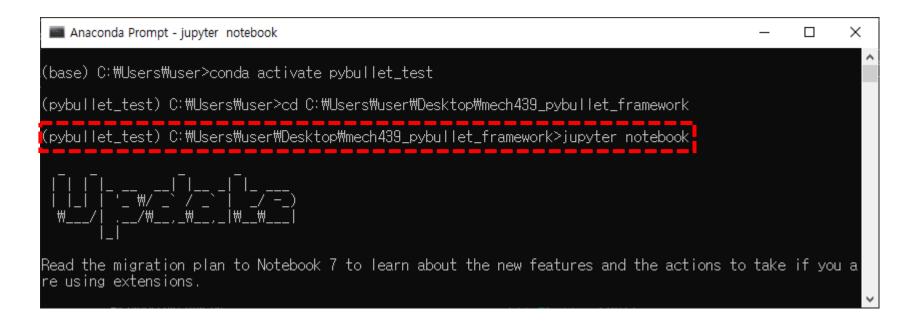
- > cd [YOUR PATH]
- > pip install -r requirements.txt
- > conda install Pinocchio -c conda-forge

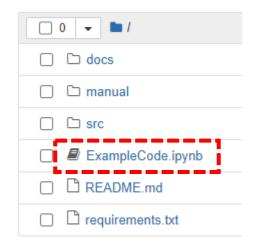


# 2. Run example code

### Jupyter notebook

① Open jupyter notebook in project directory, and open ExampleCode.ipynb







# 3. Source Code Manual

### Build docs (.html) file via sphinx

① Open jupyter notebook in project directory, and open ExampleCode.ipynb

```
Anaconda Prompt

(pybullet_test) C:\Users\user\Desktop\mech439_pybullet_framework>cd docs

(pybullet_test) C:\Users\user\Desktop\mech439_pybullet_framework\docs>make html
```

- > cd docs
- > make html



# 3. Source Code Manual

### Build docs (.html) file via sphinx

② Then, you can open the source code manual in "docs/build/html/index.html"

