

PyBullet Guide

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1. Installation

1) Anaconda

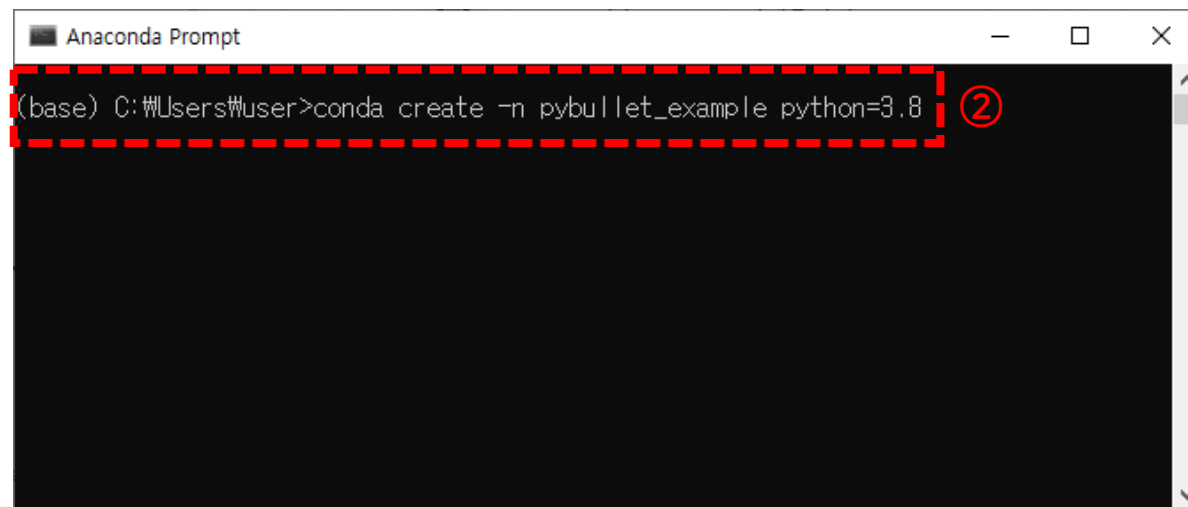
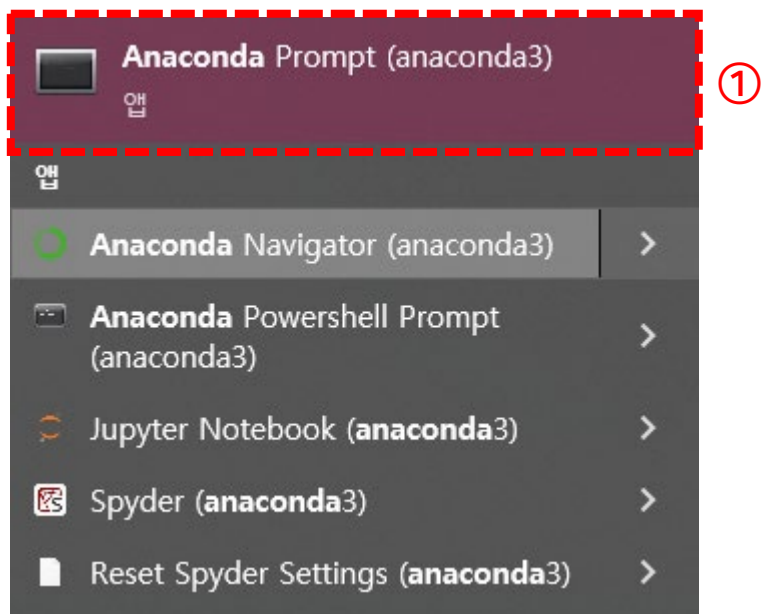
① Install anaconda from <https://www.anaconda.com/>



1. Installation

1) Anaconda

② Open anaconda prompt, and create new environment

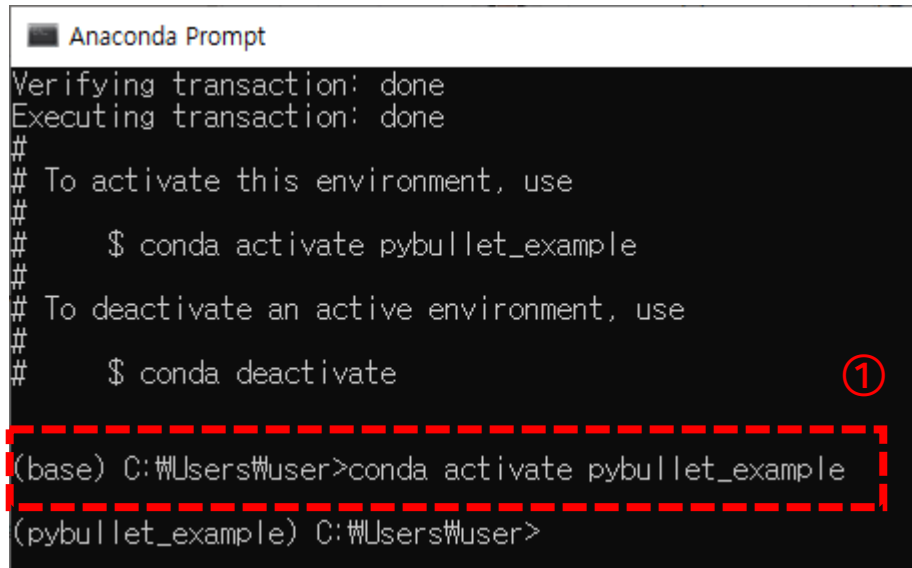


```
>conda create -n [env name] python=3.8
```

1. Installation

1) Anaconda

② Activate new environment, and install libraries

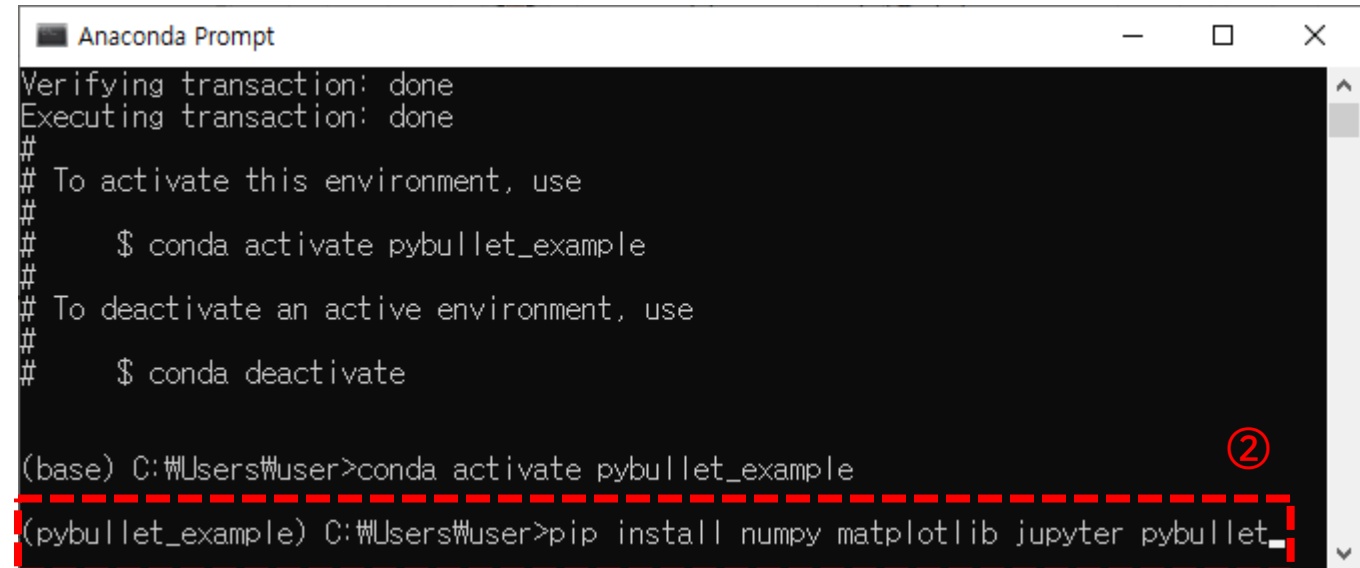


Anaconda Prompt

```
Verifying transaction: done
Executing transaction: done
#
# To activate this environment, use
#
#   $ 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>
```

①

>conda create activate [env name]



Anaconda Prompt

```
Verifying transaction: done
Executing transaction: done
#
# To activate this environment, use
#
#   $ 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>pip install numpy matplotlib jupyter pybullet_
```

②

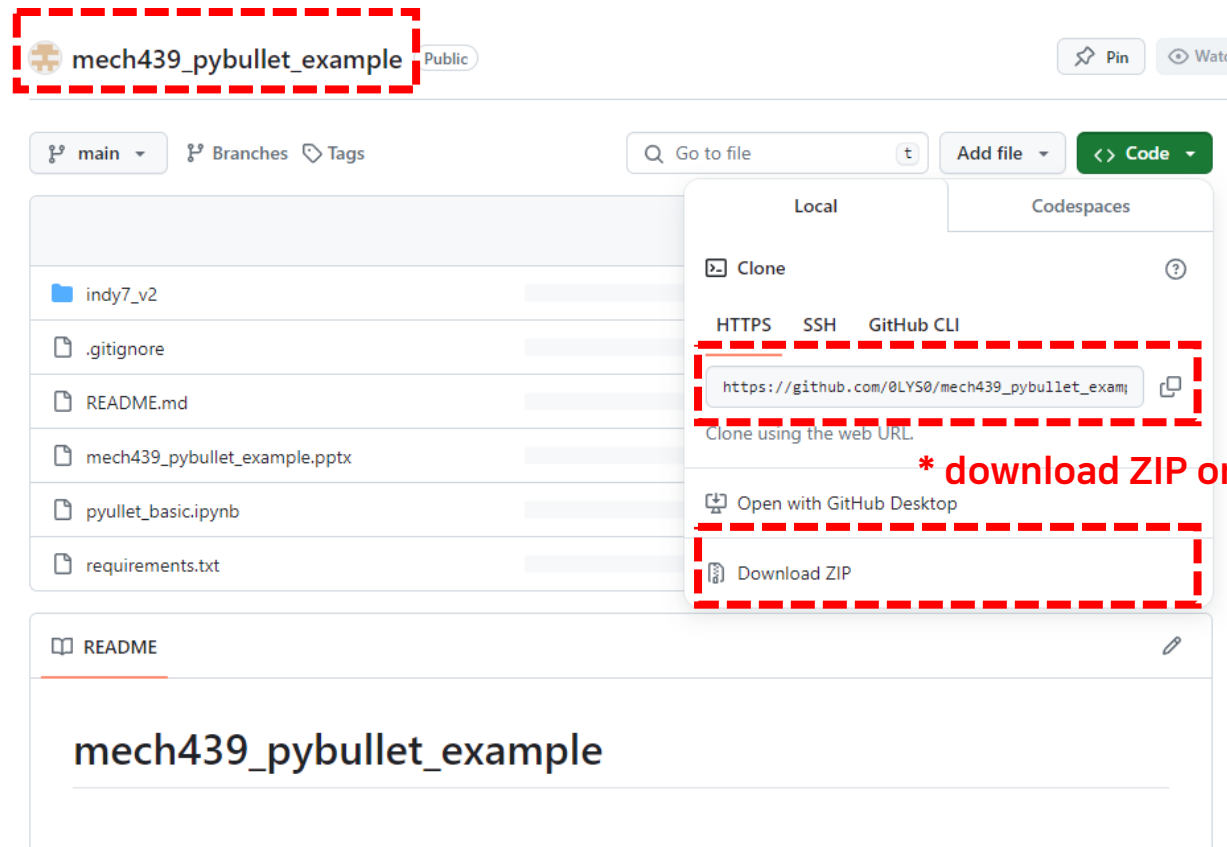
>pip install numpy matplotlib jupyter pybullet

1. Installation

2) Source Code

② Download source code from https://github.com/OLYS0/mech439_pybullet_example

*** Place the folder in a path without special characters (ex. Korean).**



2. Run example code

1) Jupyter notebook

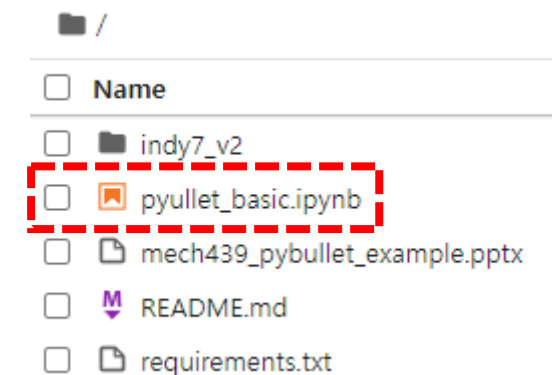
① Open jupyter notebook in project directory, and open *ExampleCode.ipynb*

```
Anaconda Prompt - jupyter notebook

5 matplotlib-inline-0.1.6 mistune-3.0.2 nbclient-0.10.0 nbconvert-7.16.3 nbformat-5.10.3 nest-
asyncio-1.6.0 notebook-7.1.2 notebook-shim-0.2.4 numpy-1.24.4 overrides-7.7.0 packaging-24.0 p
andocfilters-1.5.1 parso-0.8.3 pickleshare-0.7.5 pillow-10.2.0 pkgutil-resolve-name-1.3.10 pla
tformdirs-4.2.0 prometheus-client-0.20.0 prompt-toolkit-3.0.43 psutil-5.9.8 pure-eval-0.2.2 py
bullet-3.2.6 pycparser-2.21 pygments-2.17.2 pyparsing-3.1.2 python-dateutil-2.9.0.post0 python
-json-logger-2.0.7 pytz-2024.1 pywin32-306 pywinpty-2.0.13 pyyaml-6.0.1 pyzmq-25.1.2 qtconsole
-5.5.1 qtpy-2.4.1 referencing-0.34.0 requests-2.31.0 rfc3339-validator-0.1.4 rfc3986-validator
-0.1.1 rpds-py-0.18.0 send2trash-1.8.2 six-1.16.0 sniffio-1.3.1 soupsieve-2.5 stack-data-0.6.3
terminado-0.18.1 tinycss2-1.2.1 tomli-2.0.1 tornado-6.4 traitlets-5.14.2 types-python-dateuti
l-2.9.0.20240316 typing-extensions-4.10.0 uri-template-1.3.0 urllib3-2.2.1 wcwidth-0.2.13 webc
olors-1.13 webencodings-0.5.1 websocket-client-1.7.0 widgetsnbextension-4.0.10 zipp-3.18.1

(pybullet_example) C:\Users\User>cd C:\Users\User\Desktop\mech439_pybullet_example

(pybullet_example) C:\Users\User\Desktop\mech439_pybullet_example>jupyter notebook
```



```
>cd [YOUR PATH]
> jupyter notebook
```