

# Software Setup

1. Python
2. PIP (package manager)
3. Django (a module/package of python)
4. Code Editor (Atom, VS Code etc)
5. MySQL database and MySQL Workbench
6. Python mysqlclient (driver for database connectivity)

## #1. Python

- Download and install the latest version.
- Confirm the installation by running a command like checking its version
  - ✓ Users\user>python --version
  - ✓ Python 3.8.2

## #2. PIP

- It comes by default with Python of version 2.3 or greater.
- But it can be downloaded and installed separately also.
- Confirm its availability
  - ✓ Users\user>pip --version
  - ✓ pip 19.2.3 from  
c:\users\user\appdata\local\programs\python\python38-32\lib\site-packages\pip (python 3.8)

## #3. Django

- Using PIP, it can be installed like installing other packages of Python
- Users\user>pip install django
- Confirm the installation
  - ✓ Users\user> python -m django --version
  - ✓ 3.0.6
  - ✓ Confirm it from anywhere in the directory
  - ✓ D:\>python -m django --version
  - ✓ 3.0.6

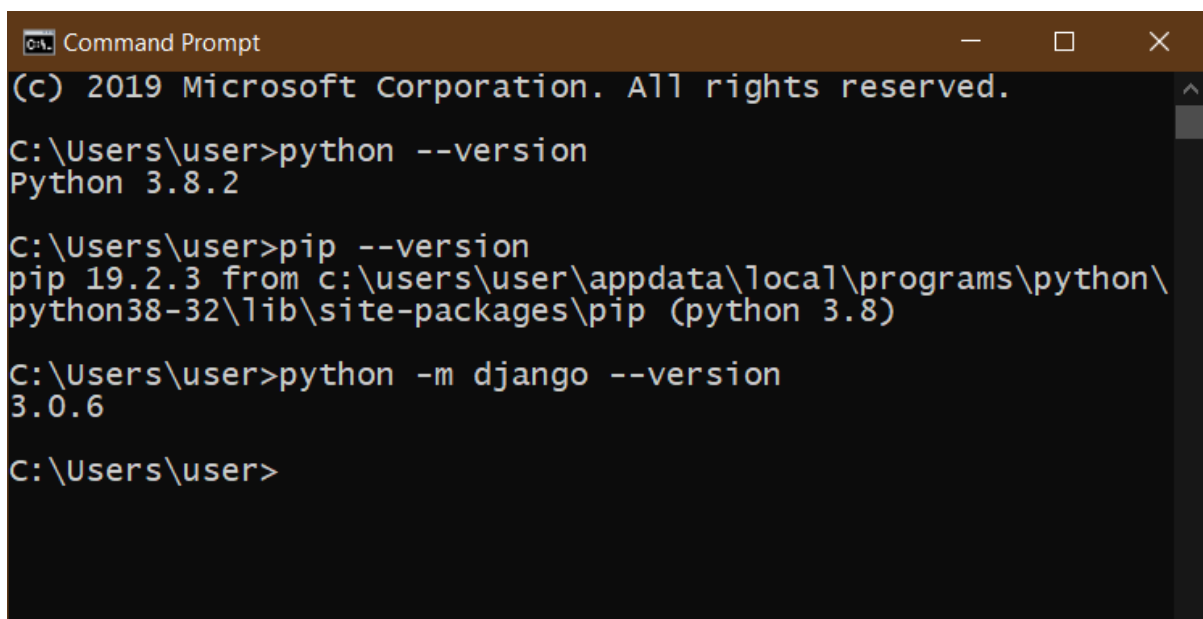
```
C:\Users\user>python -m django --version
3.0.6

C:\Users\user>d:

D:\>python -m django --version
3.0.6

D:\>
```

## The Command Prompt



```
Command Prompt
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C:\Users\user>python --version
Python 3.8.2

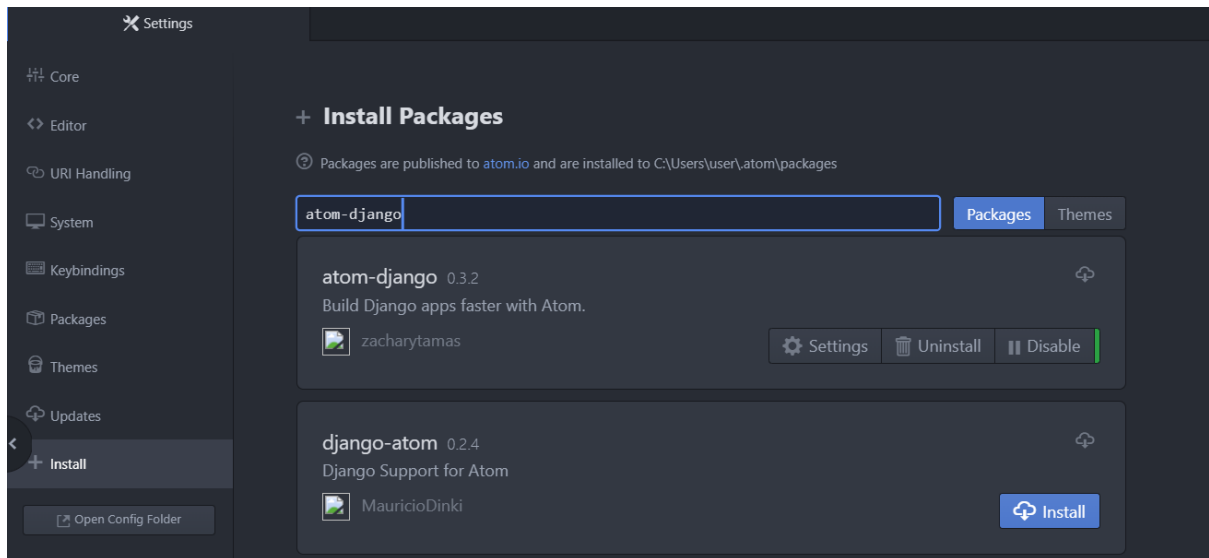
C:\Users\user>pip --version
pip 19.2.3 from c:\users\user\appdata\local\programs\python\python38-32\lib\site-packages\pip (python 3.8)

C:\Users\user>python -m django --version
3.0.6

C:\Users\user>
```

## #4. Atom IDE

- Download and install the Atom IDE
- Need to install some packages, that will help while coding.
  - ✓ Go to File → Settings → Install
  - ✓ Search and install these two packages
  - ✓ **autocomplete-python**
  - ✓ **atom-django**



## #5. MySQL DB and MySQL Workbench

## #6. Python MySQLClient

- To connect to MySQL database from within our Django projects or a python application, we need to install mysqlclient (Like mysql connector in Java).
- It can be installed using pip installer
  - ✓ Run the command
  - ✓ user> **pip install mysqlclient**