






## How to download and setup KEGG database

### Where and How to Download FDA Files:

All kegg files were provided to capstone team by Dr Patel.

Once all files are provided, please ensure all files exist as following:

(C:) > Development > School > CSCI-E 599 > data > kegg

<input type="checkbox"/> Name	Date modified	Type	Size
 anatomialclass.csv	3/12/2020 9:09 AM	Microsoft Excel Comma Separat...	634 KB
 crudeClass.csv	3/12/2020 9:10 AM	Microsoft Excel Comma Separat...	21 KB
 drugAtcCodeAssociation.csv	3/12/2020 9:05 AM	Microsoft Excel Comma Separat...	174 KB
 targetclass.csv	3/12/2020 9:07 AM	Microsoft Excel Comma Separat...	945 KB
 uspclass.csv	3/12/2020 9:08 AM	Microsoft Excel Comma Separat...	201 KB

### How to run the code:

#### Pre-installation requirement:

The following libraries are required to run the import script "import\_kegg\_script.py"

Please run the following commands one by one to ensure the libraries are installed, if planning to run this from parent project folder, requirement.txt includes these libraries.

```
1. pip install numbers
2. pip install numpy
3. pip install pandas
4. pip install SQLAlchemy
5. pip install pylint-flask-sqlalchemy
6. pip install glob2
```

#### Database credentials:

- open kegg\_import\_script.py file and provide database credential as following:

```
10 DATABASE_URL = "postgresql://YOUR_USERNAME:YOUR_PASSWORD@DB_URL:5432/drugdata"
11
```

- set the path to the folder you have all kegg files

```
path = r'C:\Development\School\CSCI-E 599\M3\code_4_23_2020\test_cases\import_scripts\kegg\data'
```

- Run the script by running python kegg\_import\_script.py

```
λ python kegg_import_script.py
anatomialclass inserted
crudeclass inserted
drugatccodeassociation inserted
targetclass inserted
uspclass inserted
```