The first step in setting up our project involves installing the necessary python libraries. This includes flask (http://flask.pocoo.org/docs/1.0/installation/), flask bootstrap (https://pythonhosted.org/Flask-Bootstrap/), and pymysql (https://pypi.org/project/PyMySQL/#installation). THese can all be installed using pip.

At this point you can download our code and navigate (via Terminal) into the repository that the folders are in. If you are on linux or mac, use the following commands:

```
export FLASK_APP = moleculemovies.py.
```

Or if you are on Windows do:

```
set FLASK_APP = moleculemovies.py
```

At this point you should be able to do type

```
flask run
```

And then the application should run on your local machine under the default URL of

http://localhost:5000/

More information on starting the application can be found on the following link:
http://flask.pocoo.org/docs/0.12/quickstart/

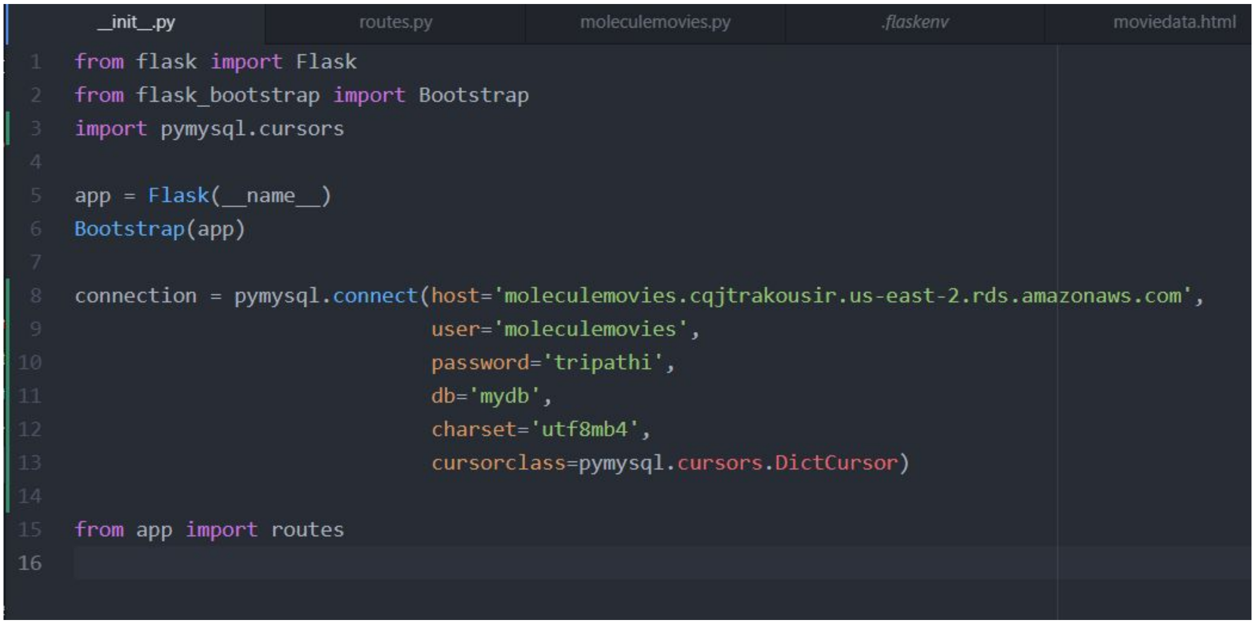
The database it is connected to is hosted on an AWS server. All of the connection is handled in our actual code but the details for connecting are as follows:

URL: moleculemovies.cqjtrakousir.us-east-2.rds.amazonaws.com

Username: moleculemovies

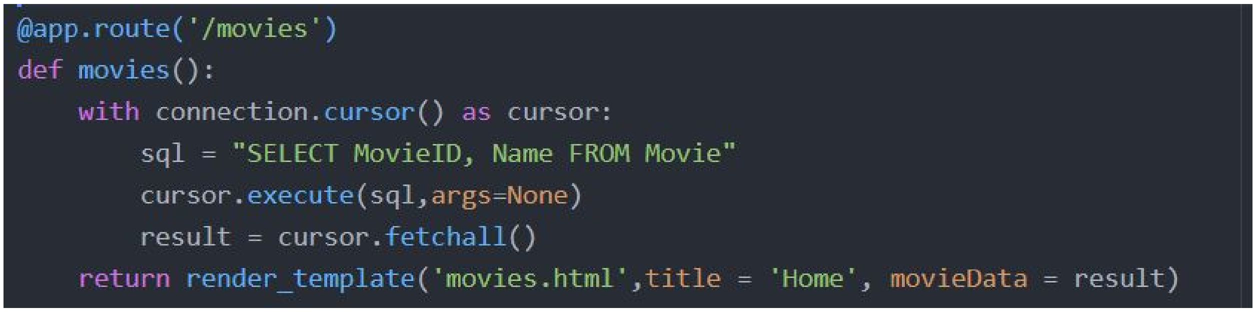
Password: tripathi

This code demonstrates how the connection is made to the database:



```python
from flask import Flask
from flask_bootstrap import Bootstrap
import pymysql.cursors

app = Flask(__name__)
Bootstrap(app)

connection = pymysql.connect(host='moleculemovies.cqjtrakousir.us-east-2.rds.amazonaws.com',
                             user='moleculemovies',
                             password='tripathi',
                             db='mydb',
                             charset='utf8mb4',
                             cursorclass=pymysql.cursors.DictCursor)

from app import routes

```

And this code shows an example of how we actually retrieve the data from the database:



```python
@app.route('/movies')
def movies():
    with connection.cursor() as cursor:
        sql = "SELECT MovieID, Name FROM Movie"
        cursor.execute(sql,args=None)
        result = cursor.fetchall()
    return render_template('movies.html',title = 'Home', movieData = result)
```

Which can now be used within the movies.html file in this case