

Helpful tips:

1. To utilize the Postgresql client enter the following command:
  - a. `sudo -u postgres psql`
2. To Exit the Postgresql client in the terminal, type "exit".
3. [cheat-sheet for commands](#)

Initial setup steps:

1. Open a terminal on your Pi
2. Enter the following commands:
  - a. `sudo apt install postgresql libpq-dev postgresql-client postgresql-client-common -y`
  - b. `y`
  - c. `sudo su postgres`
  - d. `createuser pi -P --interactive`
    - i. Enter password
    - ii. Enter password
    - iii. `y`
  - e. `exit`
  - f. `sudo -u postgres psql`
  - g. `ALTER USER POSTGRES PASSWORD = 'your password';`
  - h. `exit`
  - i. `sudo -u postgres psql`
  - j. Copy and paste contents of `table_definitions`, starting at line 14
  - k. Copy and paste contents of `data_definitions`
  - l. Copy and paste contents of `function_definitions`
  - m. Copy and paste contents of `user_definitions`

Creating Database Connection to Application:

1. Open a terminal on your Pi
2. Enter the following commands:
  - a. `sudo pip3 install psycopg2`
  - b. `sudo -u postgres createuser --interactive --pwprompt`

```
pi@raspberrypi:~ $ sudo -u postgres createuser --interactive --pwprompt
Enter name of role to add: ApplicationUser
Enter password for new role:
Enter it again:
Shall the new role be a superuser? (y/n) n
Shall the new role be allowed to create databases? (y/n) n
Shall the new role be allowed to create more new roles? (y/n) n
```

- i.
- c. Run `Connection_Example.py`
- d. Verify output