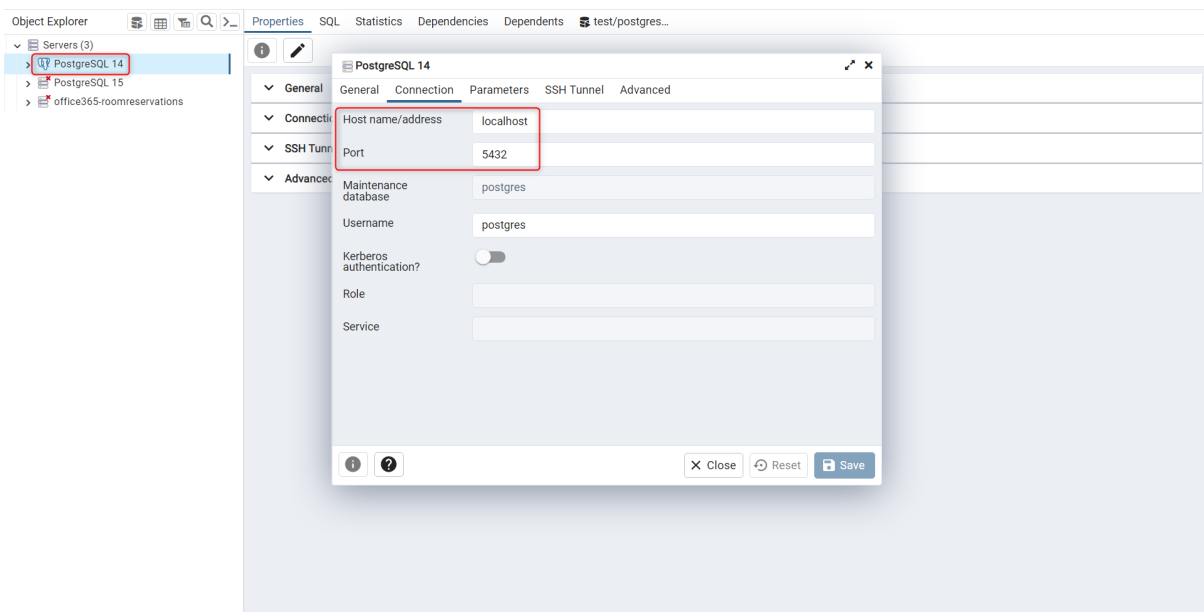


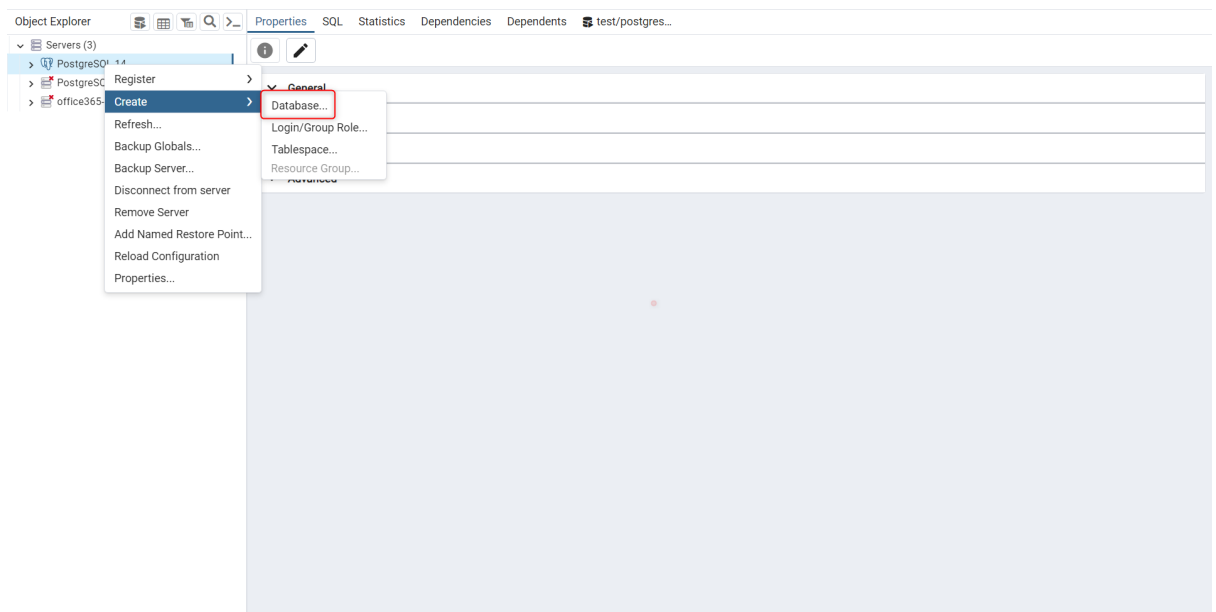
# Creating a new PostgreSQL database:

Please follow the below steps:

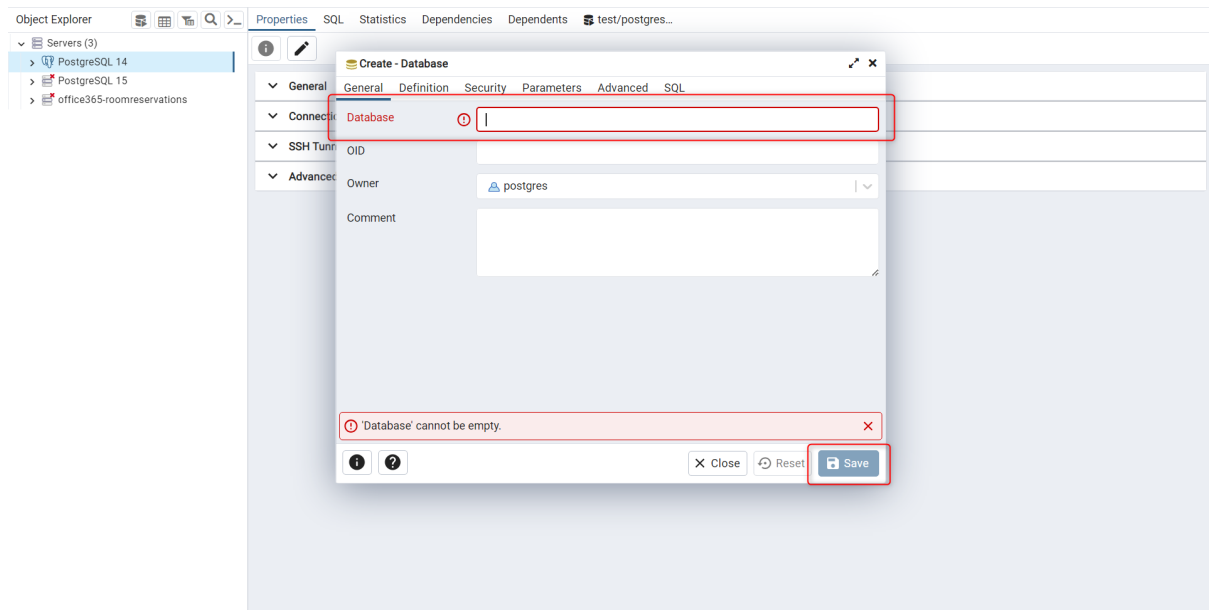
- Open the Pg Admin app on your machine and sign in with your master password.
- Right-click on **PostgreSQL server > Properties**
  - Verify that the hostname and port are **localhost** and **5432** respectively.
  - If the **Port** differs note it down



- Right-click on **PostgreSQL > Create > Database**



- Enter a name for this database and click on Save. Note down the database name.



With this, your PostgreSQL database is successfully created.

# Connecting PostgreSQL database with Django and creating required tables:

- Clone <https://github.com/SKWCE2023/backend> repository and open it in VS Code.
- Open the **championship > settings.py** file, and look for the **DATABASES** object.

```
DATABASES = {  
    'default': {  
        'ENGINE': 'django.db.backends.postgresql_psycopg2',  
        'NAME': 'test',  
        'USER': 'postgres',  
        'PASSWORD': 'root',  
        'HOST': '127.0.0.1',  
        'PORT': '5432',  
    }  
}
```

- You will find the above code. Update the **NAME, USER, PASSWORD, and PORT** fields to match your Postgres server and database configurations that we did in the previous section.
- Once done, run the following three commands in the terminal. The terminal should be opened at the root directory of the project i.e. ...\\championship\\
  - pip install -r requirements.txt
  - python manage.py make migrations
  - python manage.py migrate
- If the python command is not recognized, try running the above commands using python3.
  - python3 manage.py make migrations
  - python3 manage.py migrate

With this, your database is now connected with Django, and the required tables are created.

## Importing data into the database:

- To import the users, services, and customers data into your database, run the following command in the terminal.
  - `python manage.py runscript import_data`
- If the python command is not recognized, try running the above command using python3.
  - `python3 manage.py runscript import_data`

## Starting backend server:

- You are now set to start the server. Run the following command for the same in the terminal
  - `python manage.py runserver`
- If the python command is not recognized, try running the above command using python3.
  - `python3 manage.py runserver`
- You will see the following output in the terminal. Your app is now serving at <http://127.0.0.1:8000/>
  - Please note this address, if it differs from <http://127.0.0.1:8000/>

```
Watching for file changes with StatReloader
Performing system checks...

System check identified no issues (0 silenced).
November 22, 2023 - 23:26:57
Django version 4.2.7, using settings 'championship.settings'
Starting development server at http://127.0.0.1:8000/
Quit the server with CTRL-BREAK.
```