Installation

Backend

Prerequsites

1. VS Code Download - Download according to your OS requirements

2. Node Js Download - Got to this link and install the latest **LTS Version(only)** Note - Current Version are generally unstable, please use LTS Only. Once Installed, check the instalation by running the followiung commands from your terminal

3. PostgreSQL Download - PostgreSQL database server up and running.

Getting Started

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*Setup the **postgreSQL** -*

- Click on install and keep going next until , the password setup page comes

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Remember the password as it will be used later

![password](https://github.com/rohit-rambade/mmc-backend/assets/86614477/629f2b58-299f-40d4-

- Keep everything default and install the PostgreSQL

2. *Running postgreSQL* - - - Search for **pgadmin** in Windows

- It will ask for password , enter it

- Now right click on **Database** , And click on create , then Database .
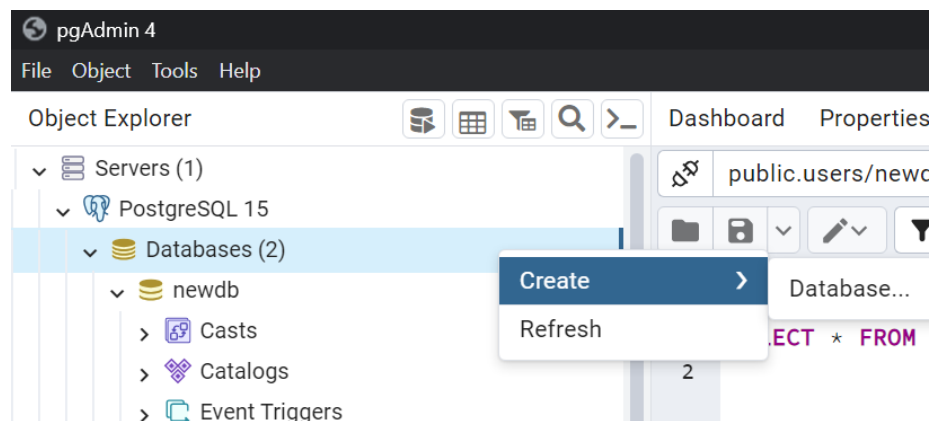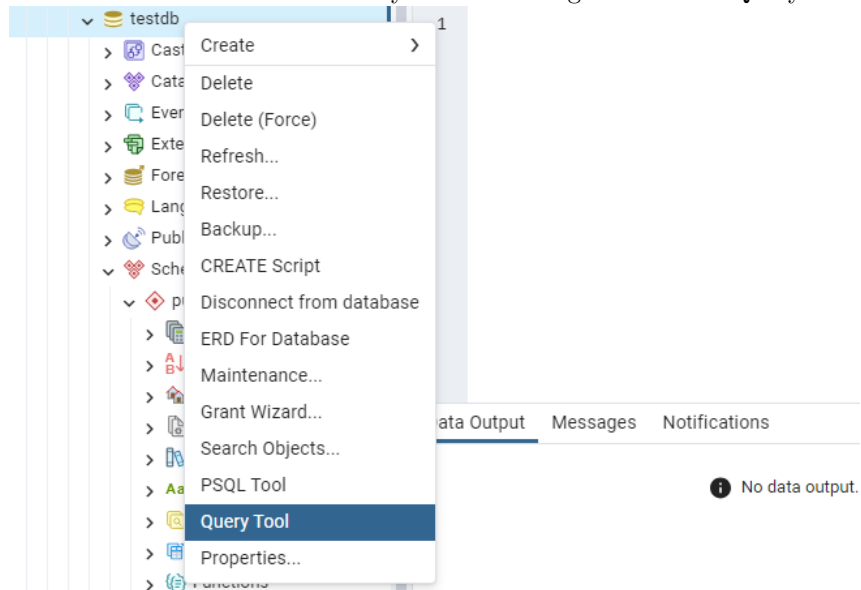 *As shown in the figure*

Figure 1: pgAdmin 4 15-08-2023 06_58_22

- Give a name to your database , For eg ~ newdb , mydb , etc.

- Leave rest to default and save your Database

- Now select the database which you created Right Click -> Query tool

- Copy Paste the below query in Query Editor

```sql
CREATE TABLE users (
  user_id SERIAL PRIMARY KEY,
  firstname VARCHAR(255),
  lastname VARCHAR(255)
);
```
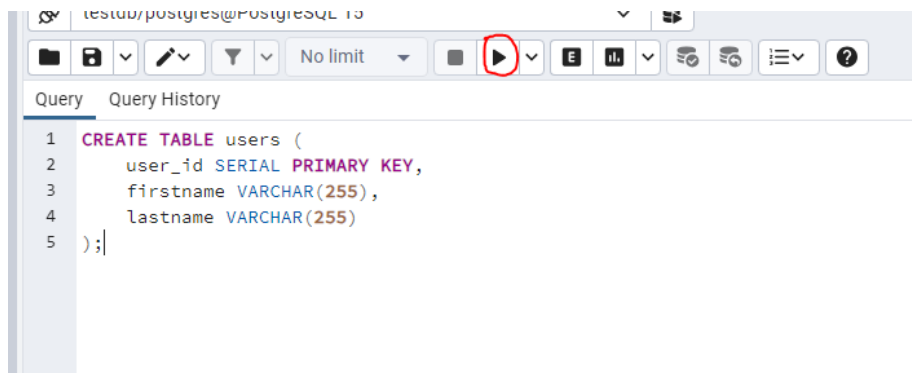
- Run the Query

Figure 2: runQuery

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3.

Server startup -

- Clone the repository to your local machine: `bash  git clone <repository_url>  cd <repository_name>`

- Install the required packages using npm: `bash  npm install`

- Set Up the .env File:

- Create a .env file in the root directory of your project.

- Add your database credentials and other sensitive information to the .env file. Example:

```
# Postgres
DB_USER=postgres-user (eg. postgres)
DB_PASSWORD=db-password
DB_HOST=localhost
DB_PORT=5432
DB_DATABASE=db-name (eg. testdb)

# Port
PORT=5000
```

- Run the `index.js` file using `nodemon` to start Express server:

```
npm install -g nodemon  # Install nodemon globally (if not already installed)
nodemon index.js
```

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bsp; *Using Postman -*

Postman Download
After installation, the Postman landing screen opens. Now create your Postman account here

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4.
- After the account setup the following screen options

- Now go to collection and Create a new colletion

- Now right click on Collection name Select ***Add request***

- Create a new request

- Paste the URL http://localhost:5000/api/test in the *Enter URL* section

- Now Change the method type from **GET** to **POST**
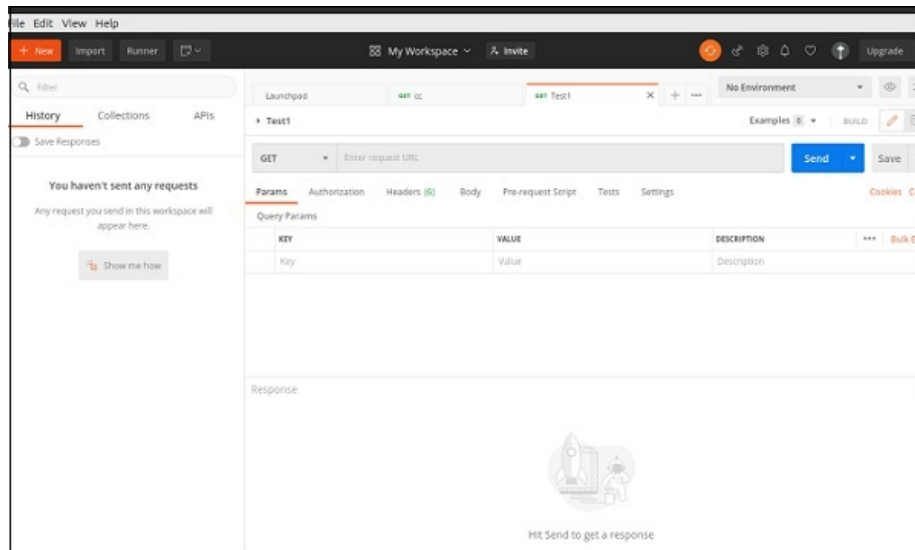
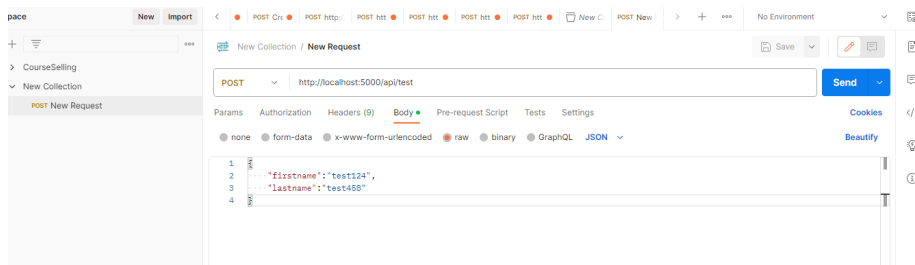 *As shown below-*

Figure 3: postman

Figure 4: image

- Select Body -> Raw as shown in Above image

- Change file type from **Text** to **JSON** as shown

- Copy paste the below code in text area { `"firstname":"test124",` `"lastname":"test458"` }

- Send the request from Postman By clicking on **SEND**

- Check postgreSQL window , A table in Data ouput would have been

created