I. Requirement for run Urban Nest application(Web, Mobile)

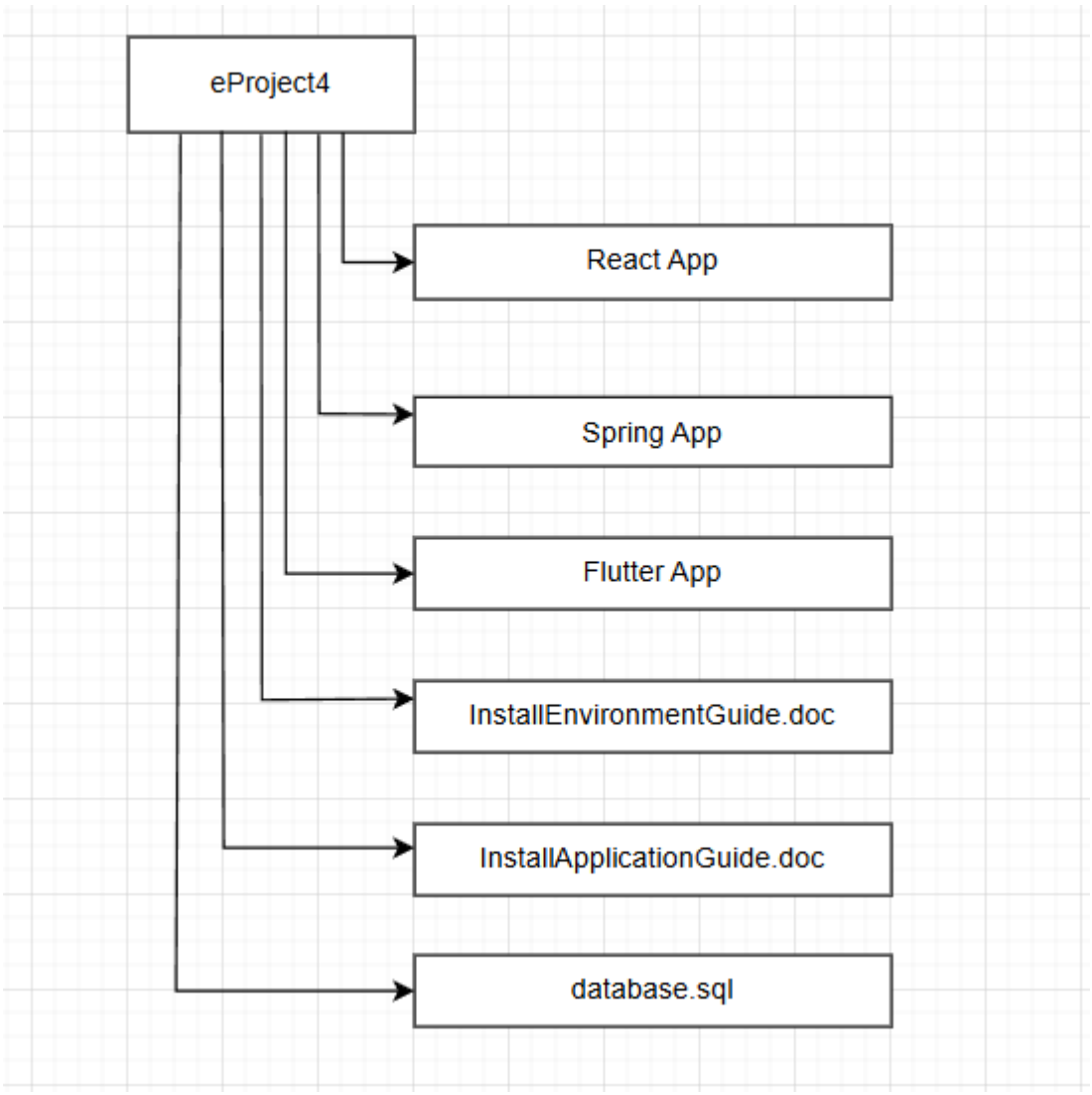
Operating System: Win 10 or higher

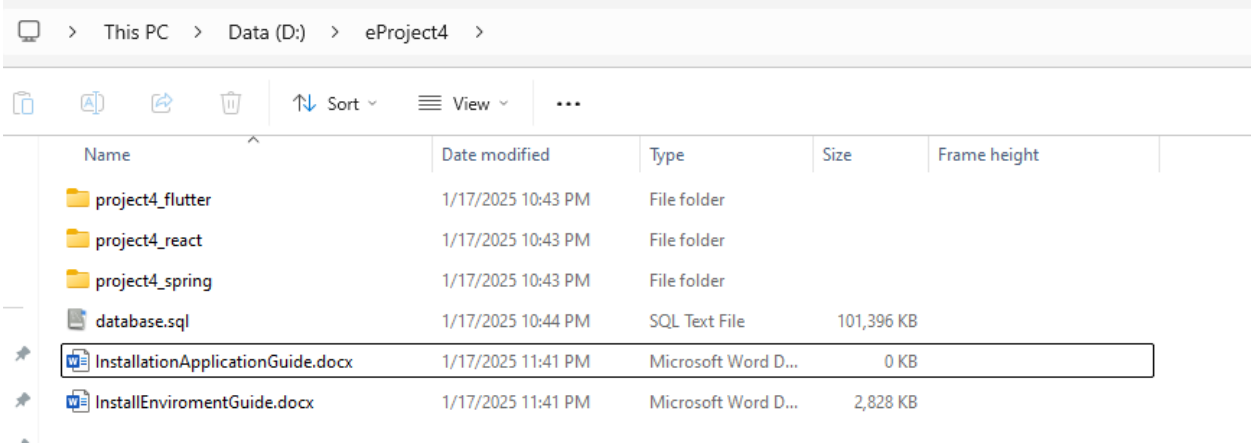
Development Environment: Please rerfer to InstallEnvironmentGuid.docx

Required Software:

- Visual Studio Code: follow this guide if you haven't installed it yet (How to Install Visual Studio Code on Windows? - GeeksforGeeks)
- Intelliji IDEA: follow this guide if you haven't installed it yet (Step by Step guide to install Intellij Idea - GeeksforGeeks)
- Android Studio: follow this guide if you haven't installed it yet (How to Install Flutter on Windows? - GeeksforGeeks)
- MySql Workbench and MySql Server: follow this guide if you haven't installed it yet (How to Install SQL Workbench For MySQL on Windows? - GeeksforGeeks)

Folder Structure:


eProject4
React App
Spring App
Flutter App
InstallEnvironmentGuide.doc
InstallApplicationGuide.doc
database.sql


This PC
Data (D:)
eProject4
Sort
View
Name
Date modified
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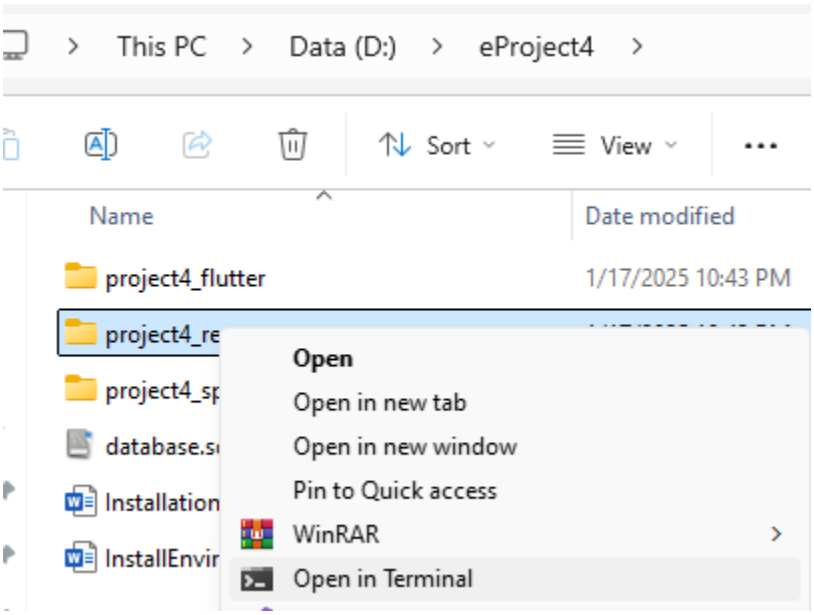
Frame height
project4_flutter 1/17/2025 10:43 PM File folder
project4_react 1/17/2025 10:43 PM File folder
project4_spring 1/17/2025 10:43 PM File folder
database.sql 1/17/2025 10:44 PM SQL Text File 101,396 KB
InstallationApplicationGuide.docx 1/17/2025 11:41 PM Microsoft Word D... 0 KB
InstallEnviromentGuide.docx 1/17/2025 11:41 PM Microsoft Word D... 2,828 KB

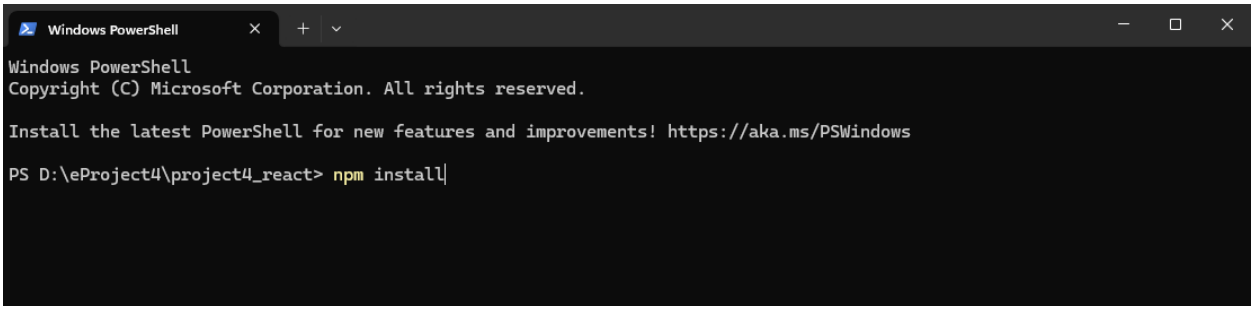
II. Run the React Application

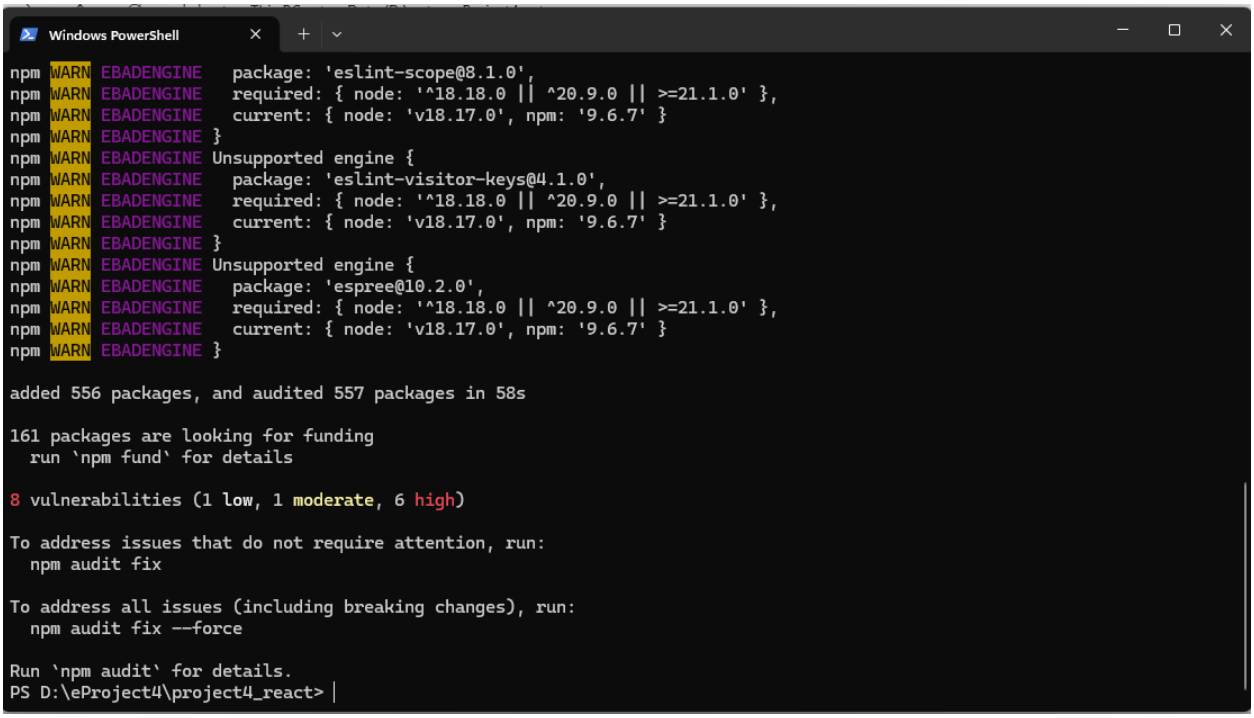
1. Start React App

- Run React app by CLI (Command Line Interface)

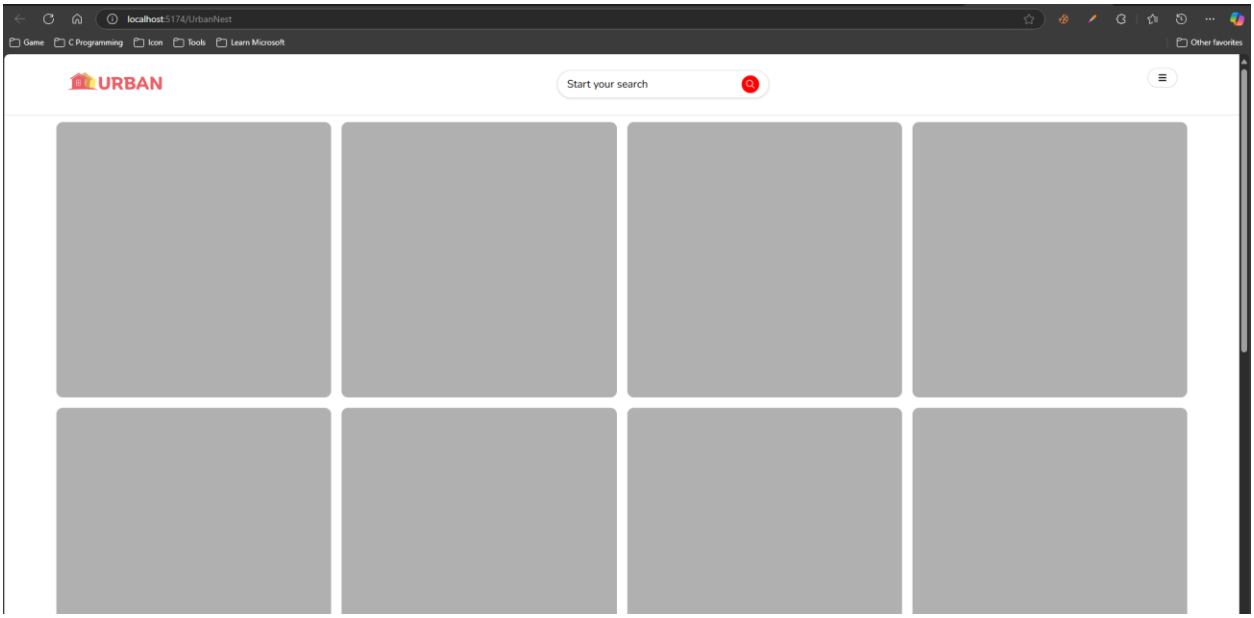


- Type **npm install** and press **Enter** to install node_modules and wait until it completes successfully.





- Type **npm run dev** and press **Enter** to start react app

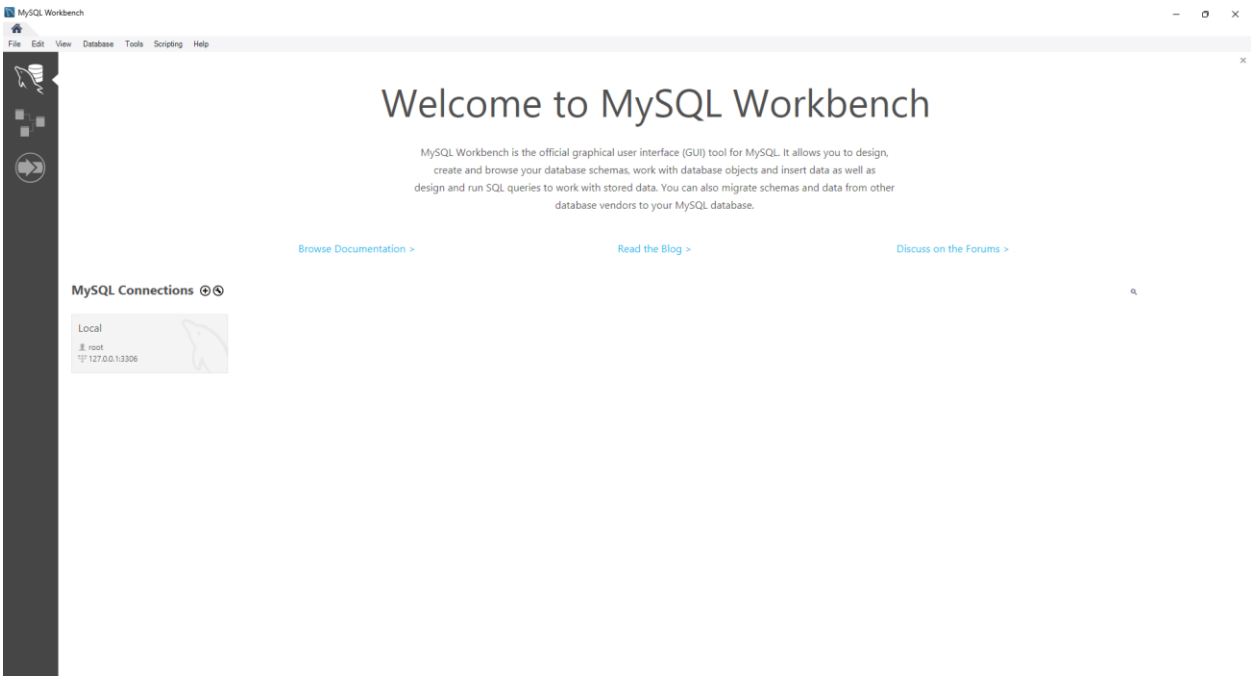


Your React app has started successfully but this is just a static page without service to interact with. Please next step to start service app

2. Insert data to your database

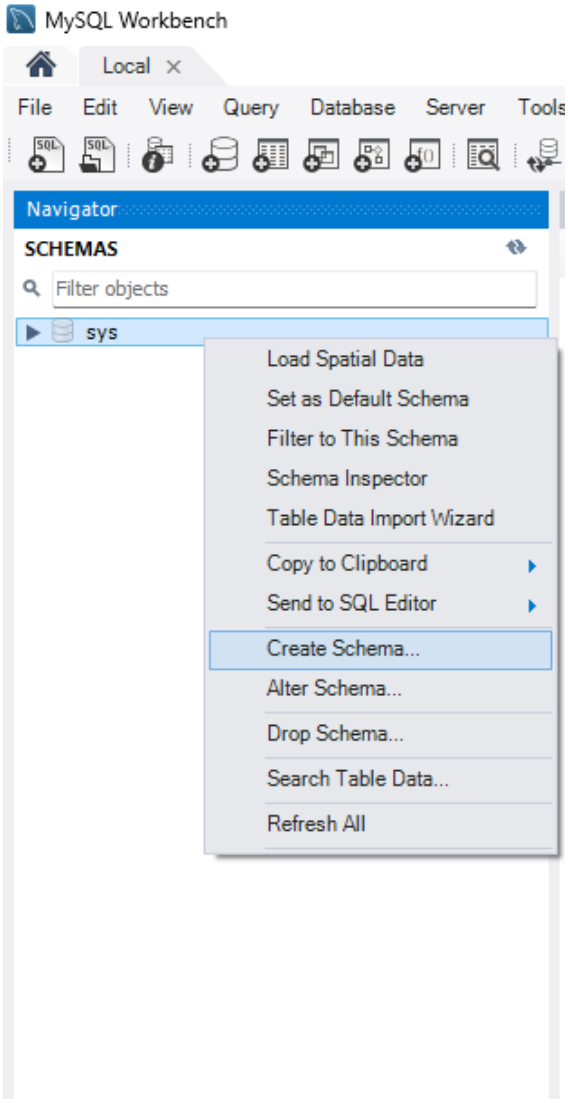
I. Connect MySQL and Create New Schema

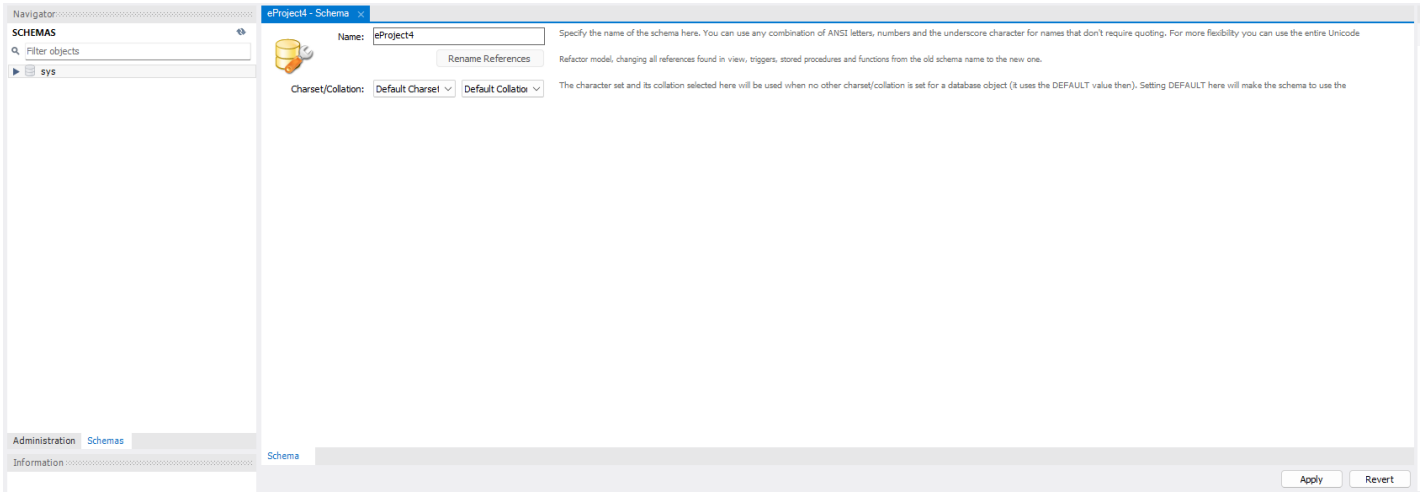
- Open MySQL Workbench. If you have already installed MySQL workbench and MySQL Server you will see image like this. If not please scroll up to top and read **Application System** requiments

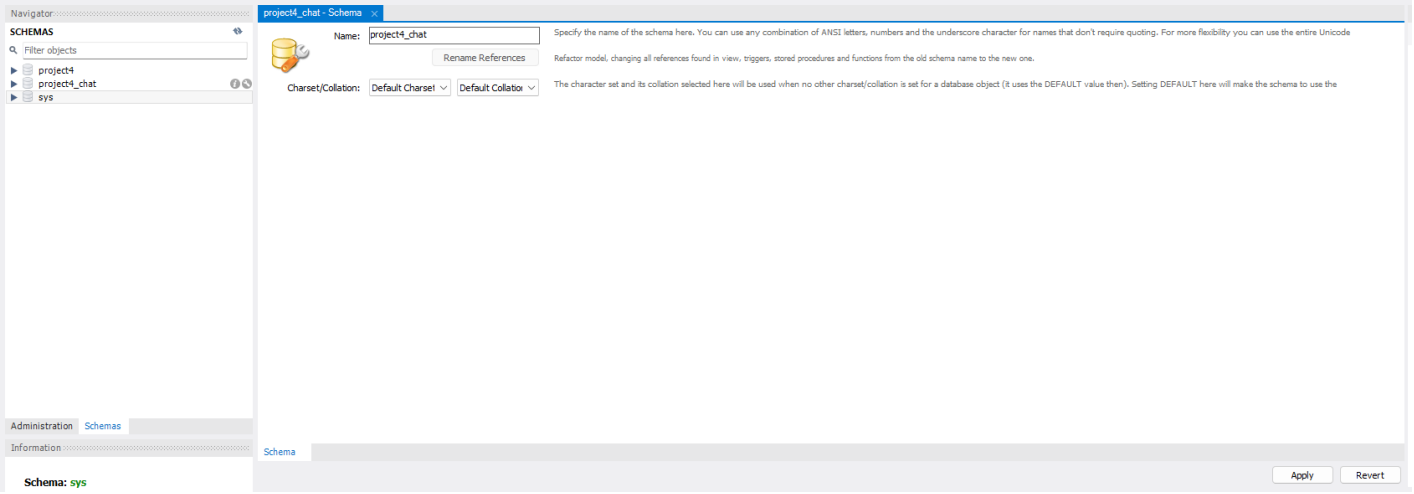


- Next, open connection and input **username** and **password** to login database.
- Notice: Remember your username, password, and database_url(Ex: 127.0.0.1:3306) for preparing install spring boot app

- After login success. Then create New Schema by step sys -> Right- Click -> Create Schema. After that, naming your Schema (Ex: eProject4) and press Apply


MySQL Workbench
Local
File
Edit
View
Query
Database
Server
Tools
Navigator
SCHEMAS
Filter objects
sys
Load Spatial Data
Set as Default Schema
Filter to This Schema
Schema Inspector
Table Data Import Wizard
Copy to Clipboard
Send to SQL Editor
Create Schema...
Alter Schema...
Drop Schema...
Search Table Data...
Refresh All

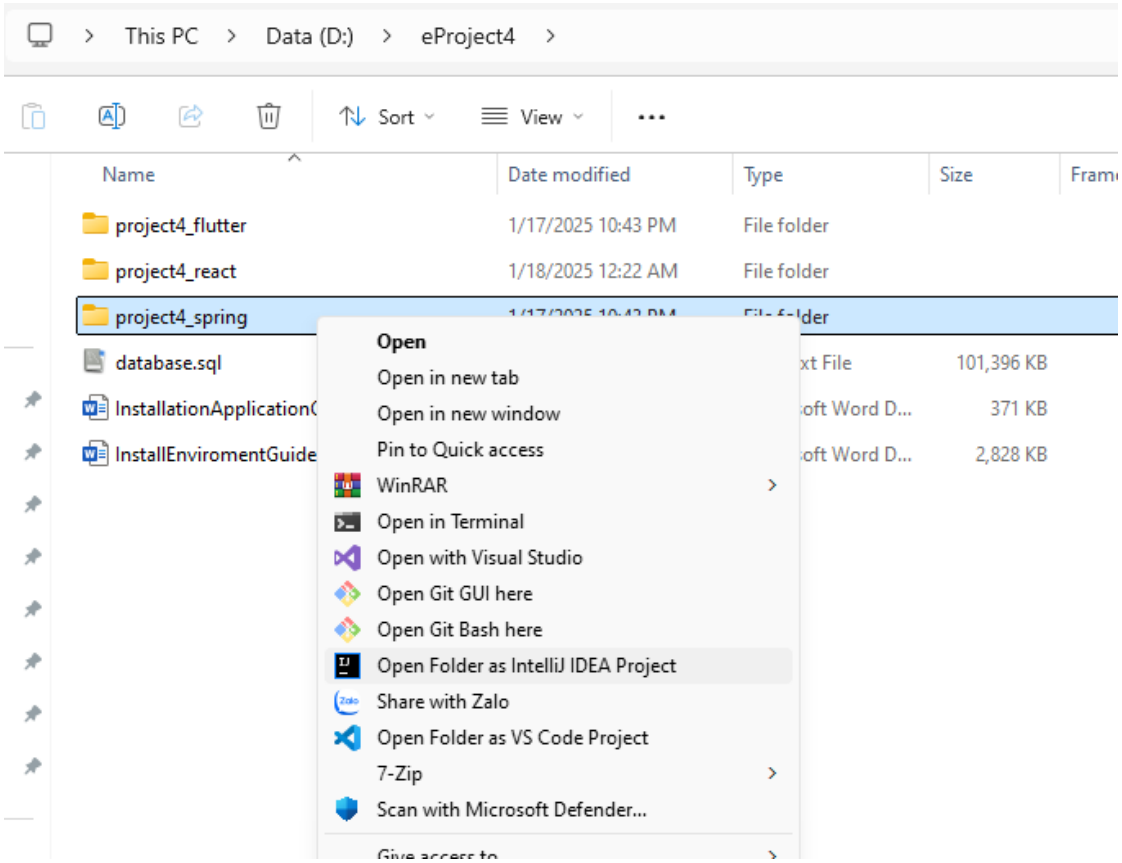

Navigator
SCHEMAS
Filter objects
sys
Administration
Schemas
Information
eProject4 - Schema
Name:
eProject4
Rename References
Charset/Collation:
Default Charset
Default Collatio
Specify the name of the schema here. You can use any combination of ANSI letters, numbers and the underscore character for names that don't require quoting. For more flexibility you can use the entire Unicode
Refactor model, changing all references found in view, triggers, stored procedures and functions from the old schema name to the new one.
The character set and its collation selected here will be used when no other charset/collation is set for a database object (it uses the DEFAULT value then). Setting DEFAULT here will make the schema to use the
Schema
Apply
Revert

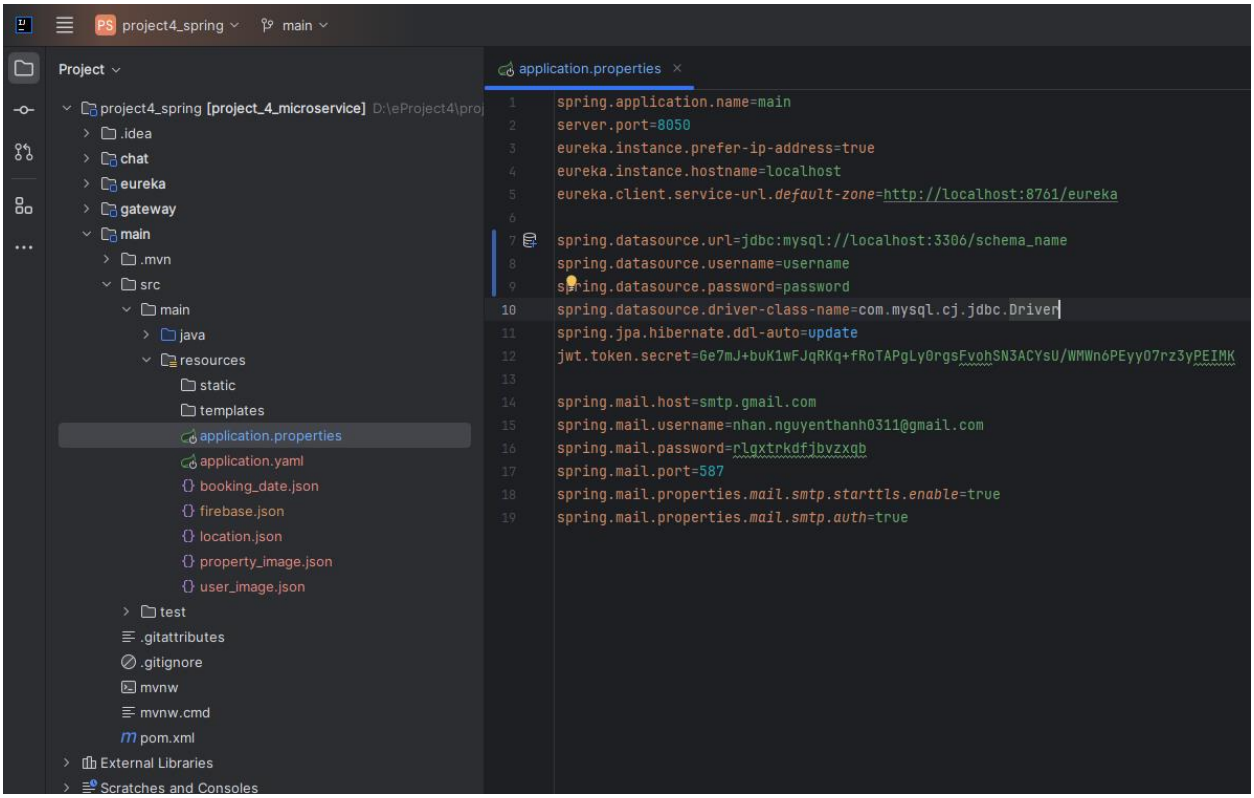


You has successfully created Schema. Now, configure the Spring Boot app to automatically create tables for you.

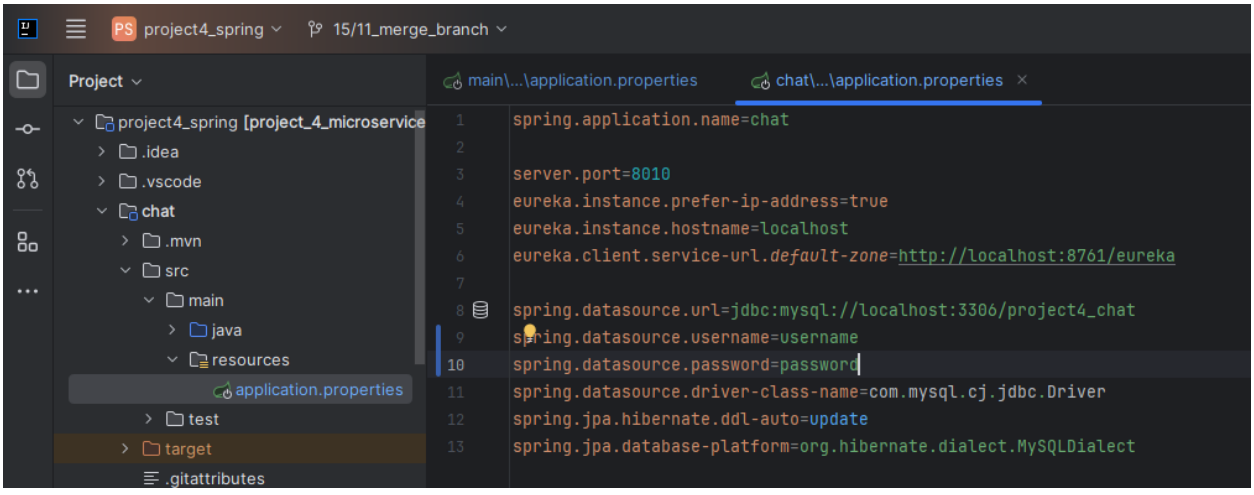
II. Configure Spring boot app to create and insert data

- Open **IntelliJ IDEA** and open the Spring Boot project



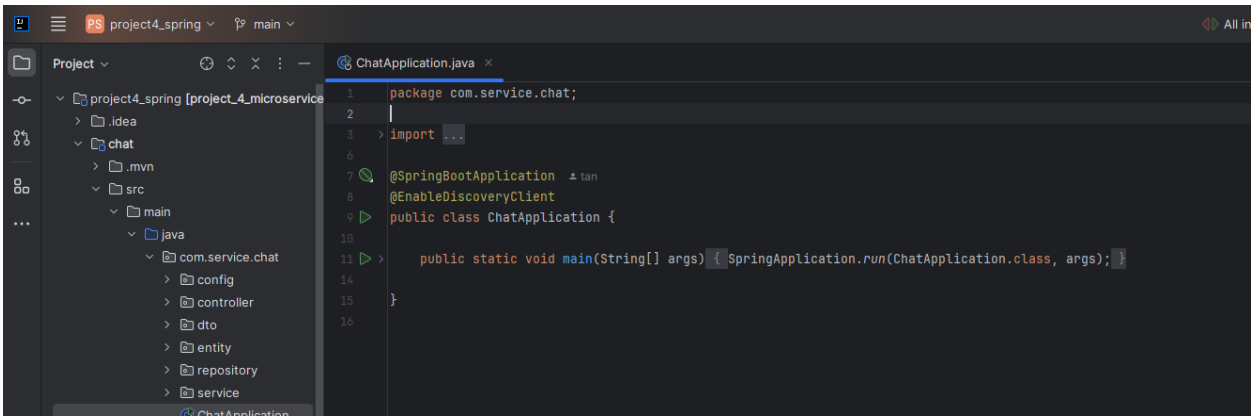


- Go to file application.properties and replace: mysql_url, username, password corrective to your MySql database



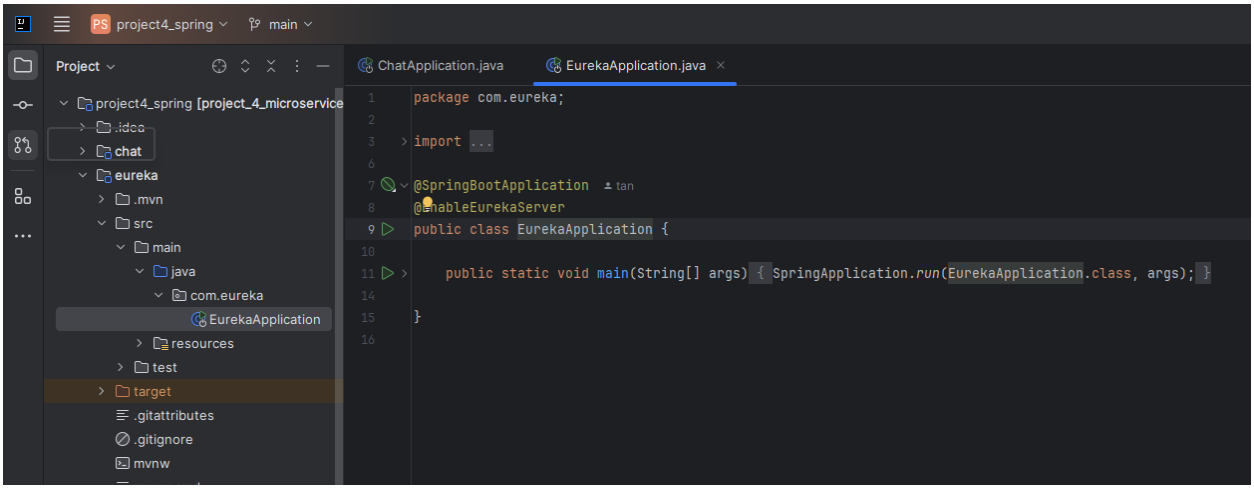
- Run ChatApplication service

  src > main > java >ChatApplication and click on the Run button



- Run EurakaApplication service

  src > main > java >EurakaApplication and click on the Run button

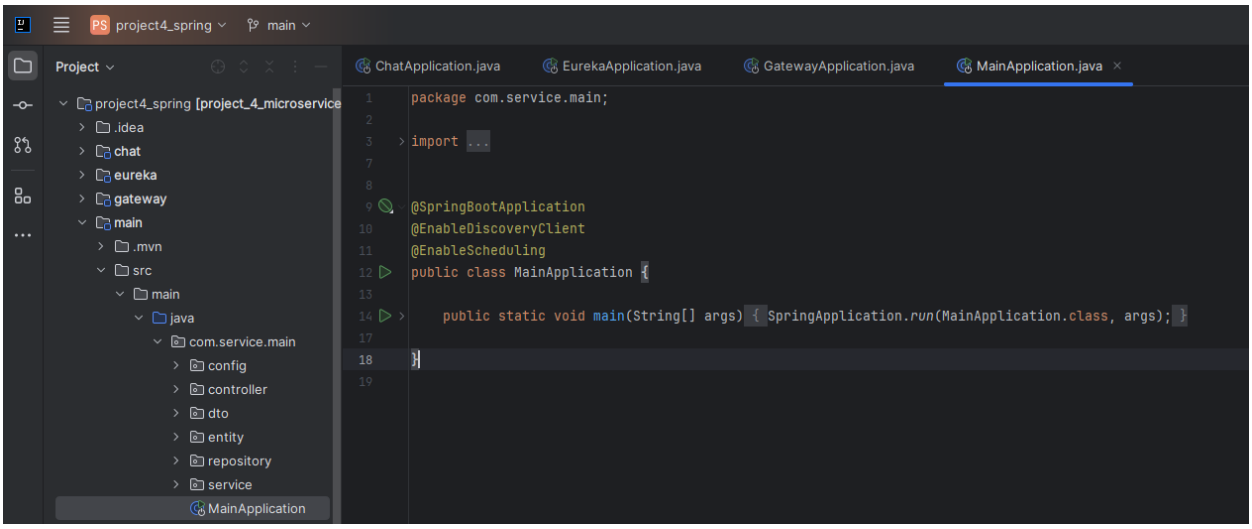


- Run GatewayApplication service

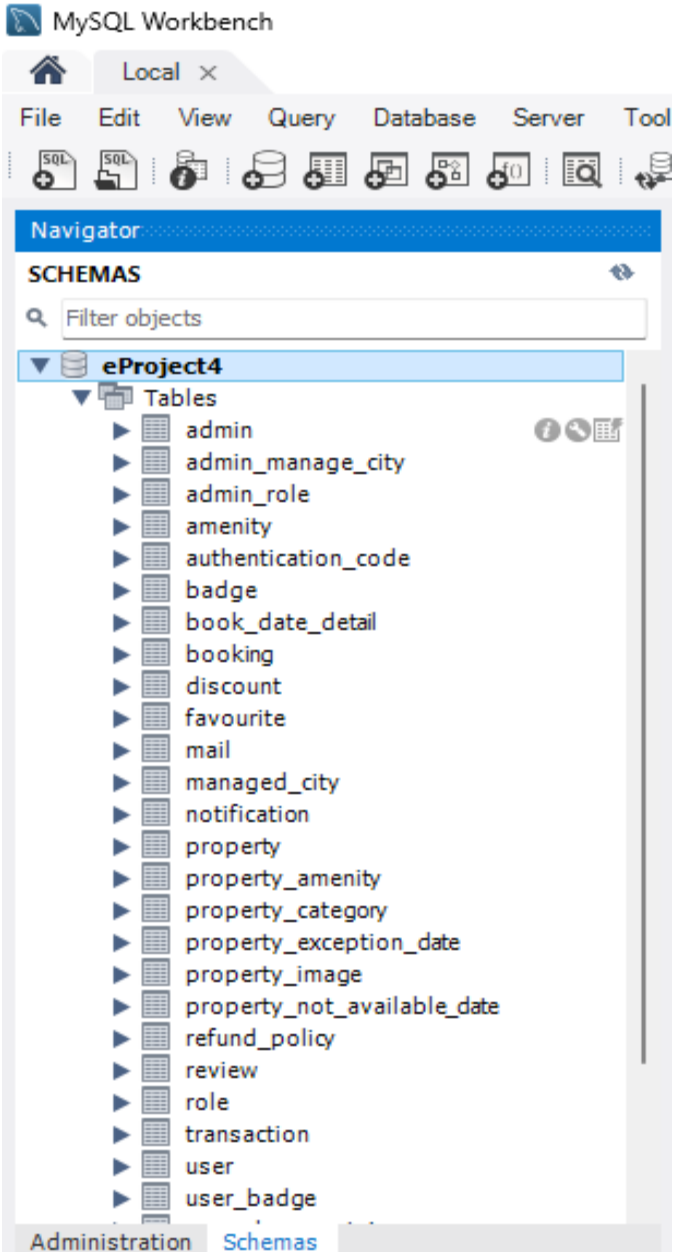
  src > main > java > GatewayApplication and click on the Run button

- Run MainApplication service

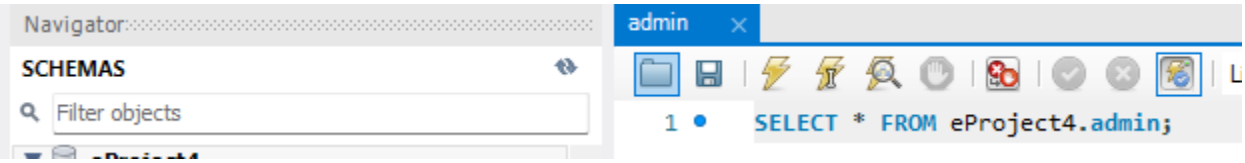
  src > main > java > MainApplication and click on the Run button

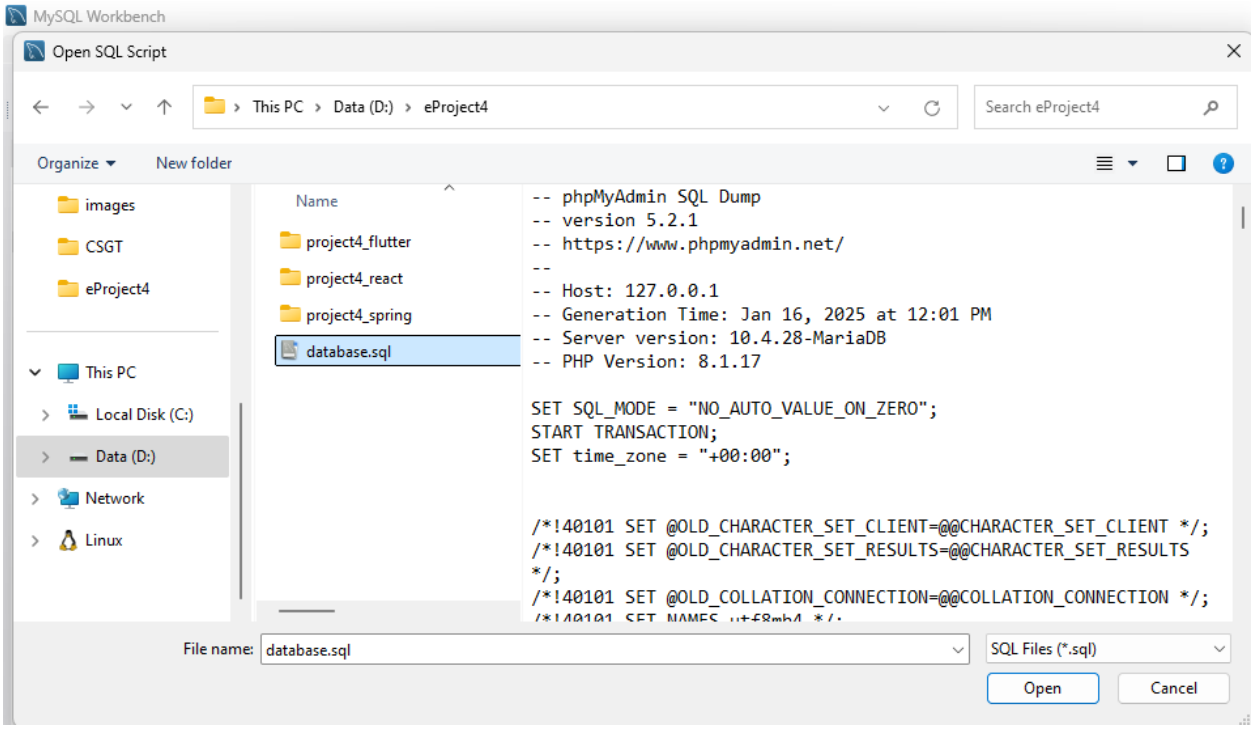


- When run successful your schema will have tables

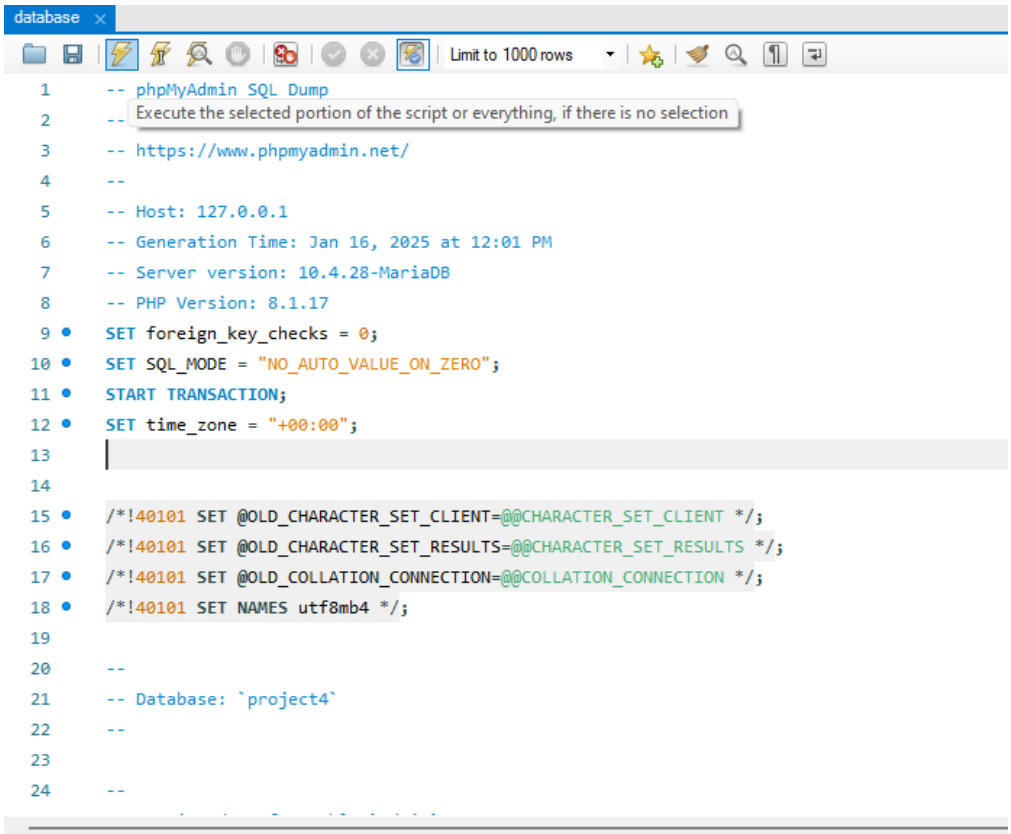


- Double click to this Icon and select database.sql file

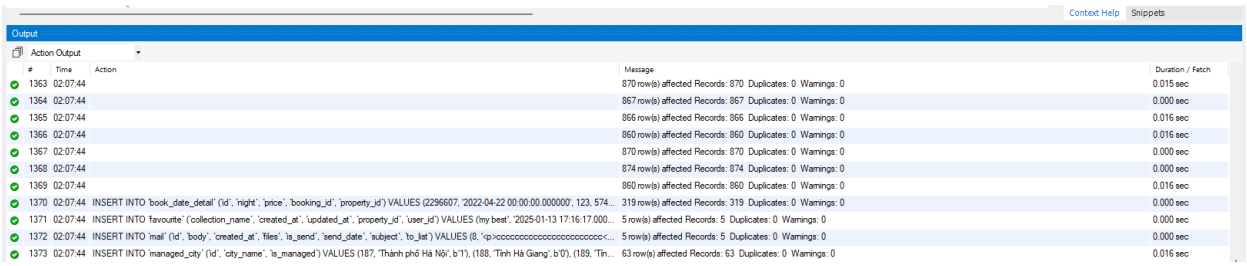




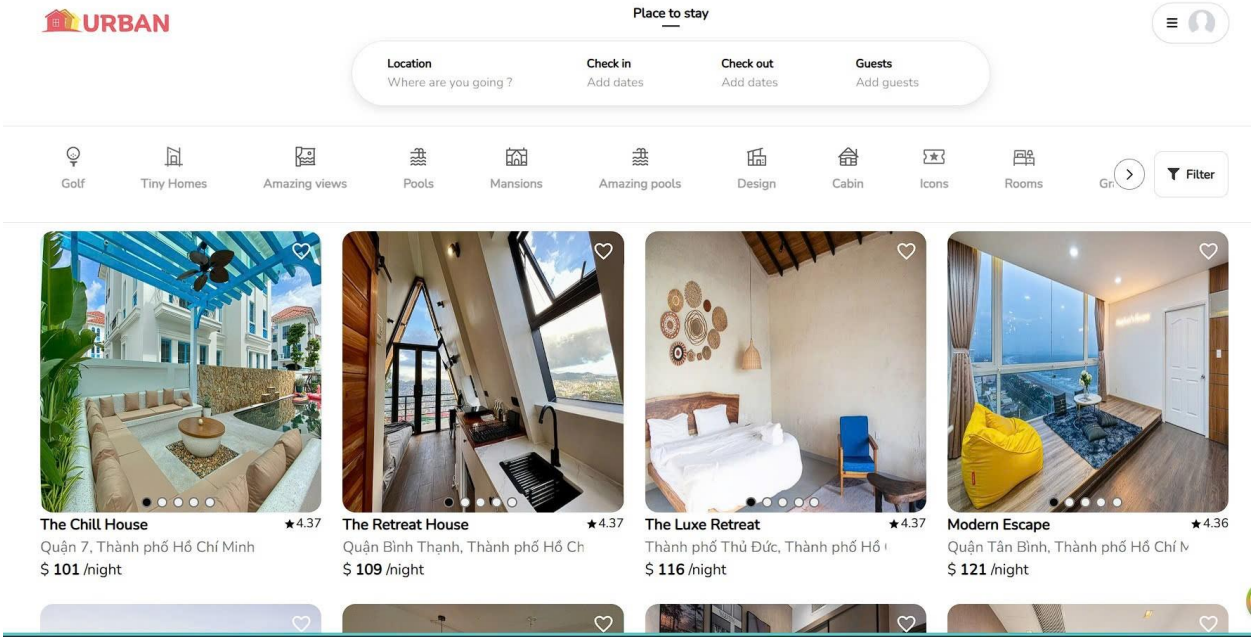
- Then press the Lightning button to excute query



Once the data is inserted successfully, you will see an image like this

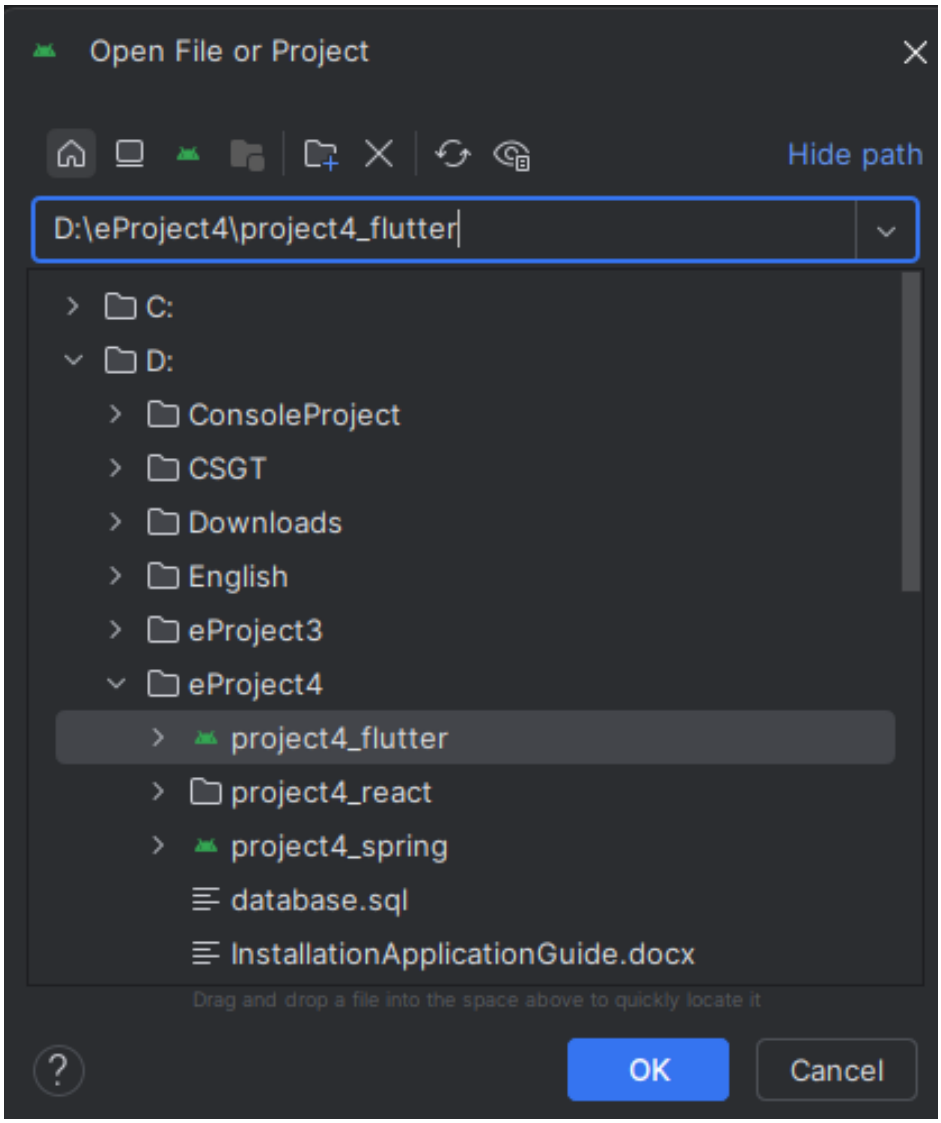


Now turn back to website and see the result

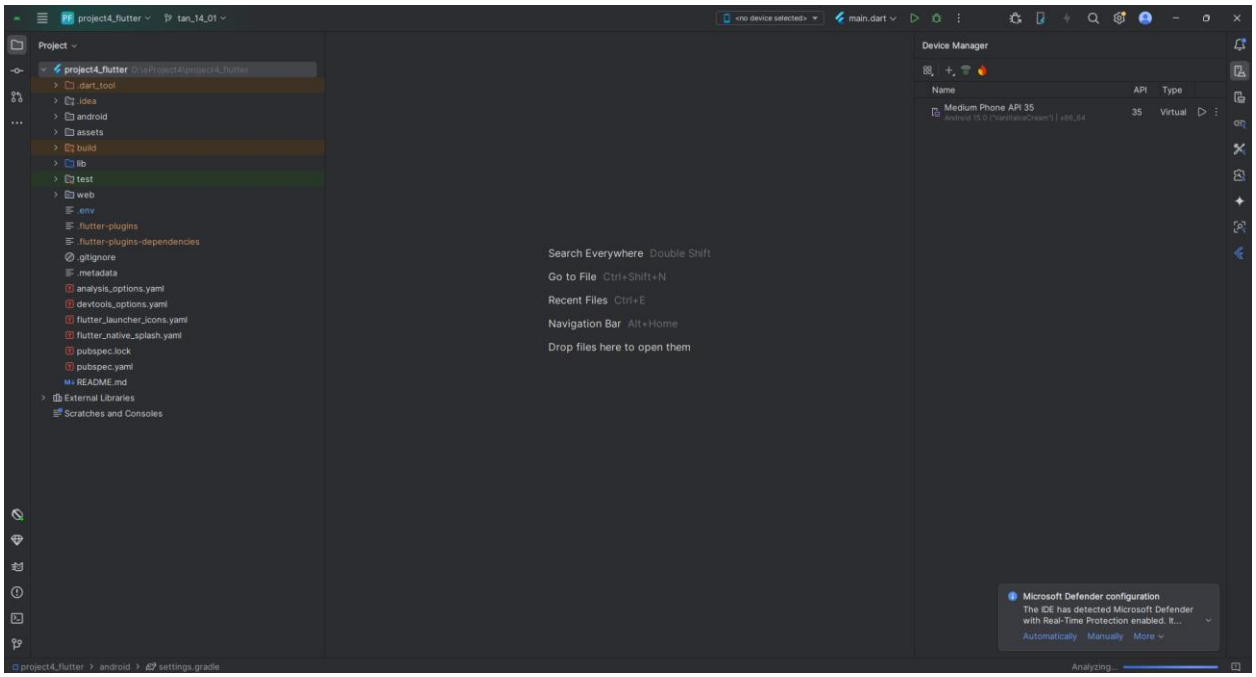


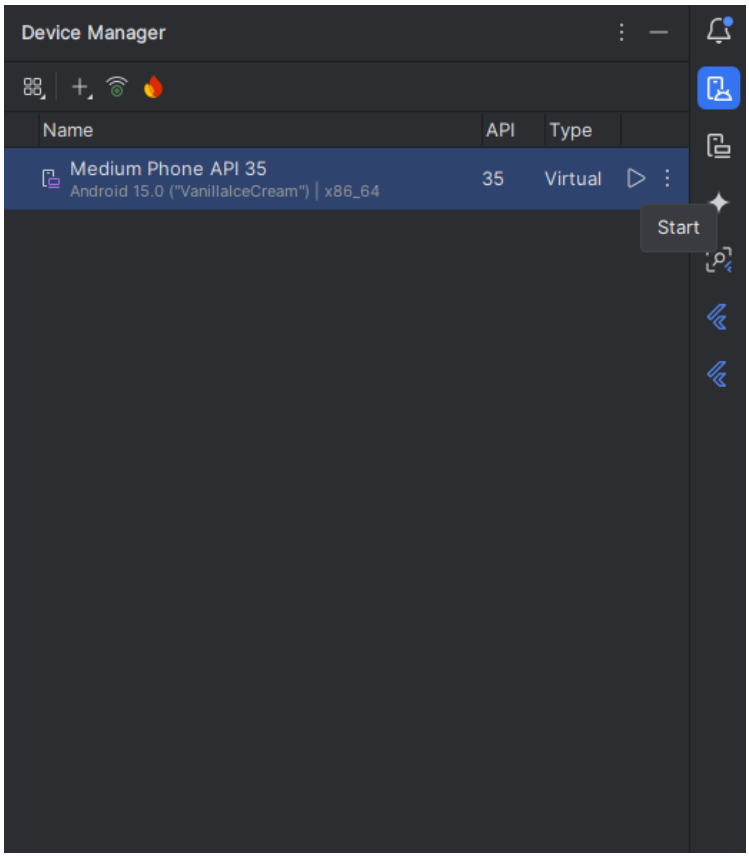
3. Run the Flutter Application:

1. Open **Android Studio** and open the Flutter project folder

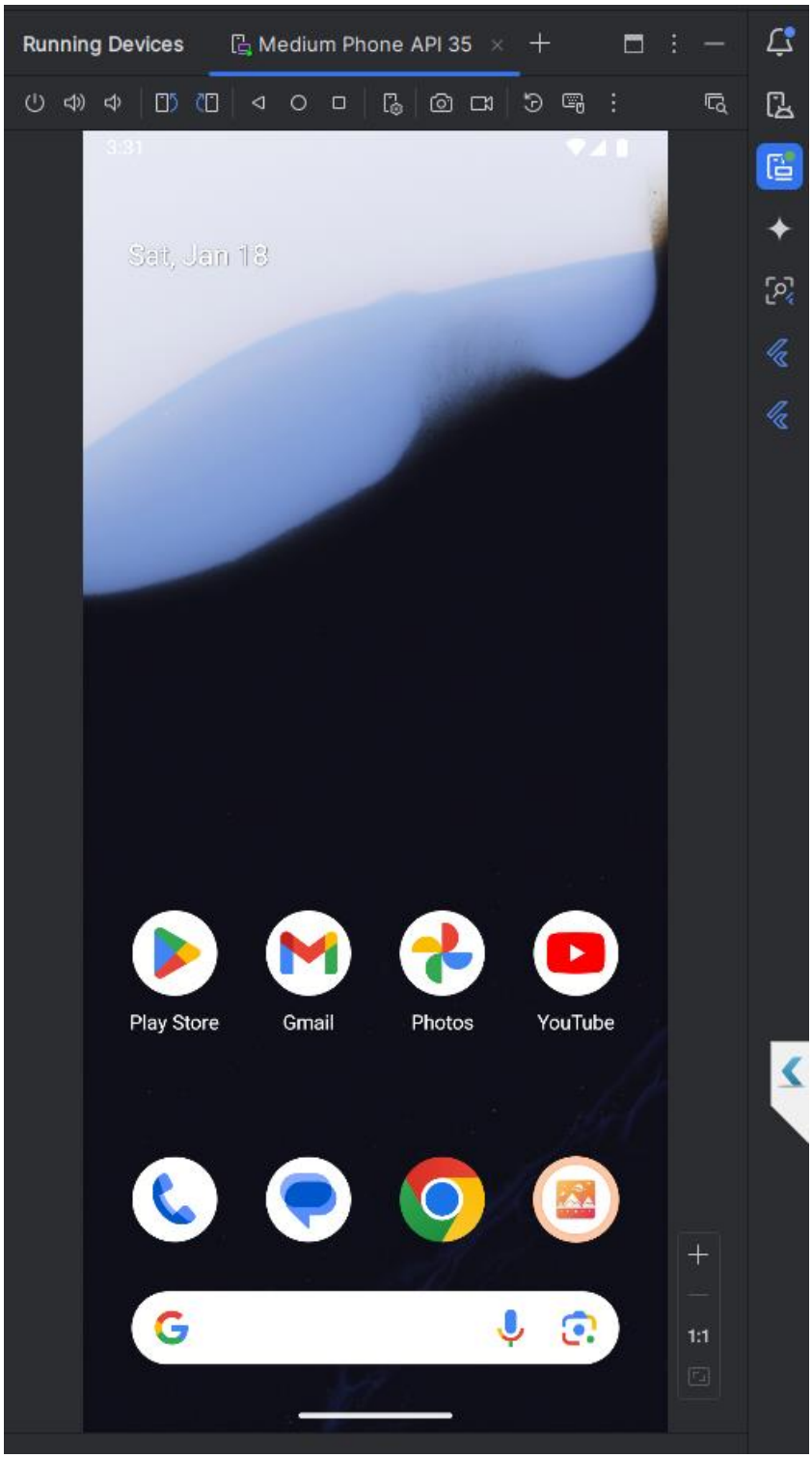


2. Start an **Android Emulator** (follow this guide if needed: [How to Run a Flutter App on Android Emulator? - GeeksforGeeks])

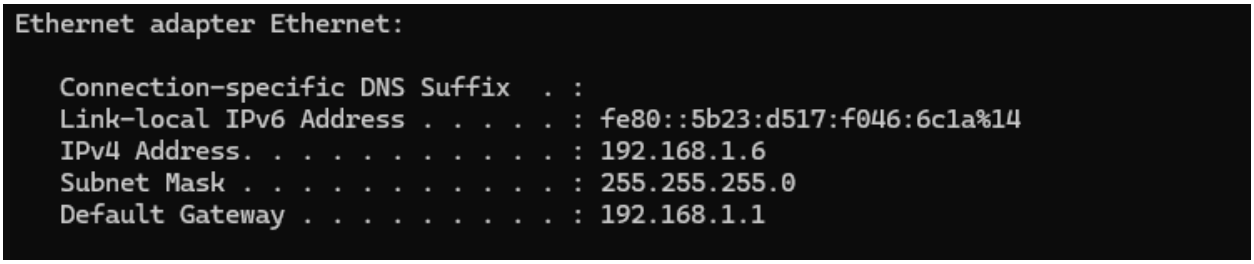




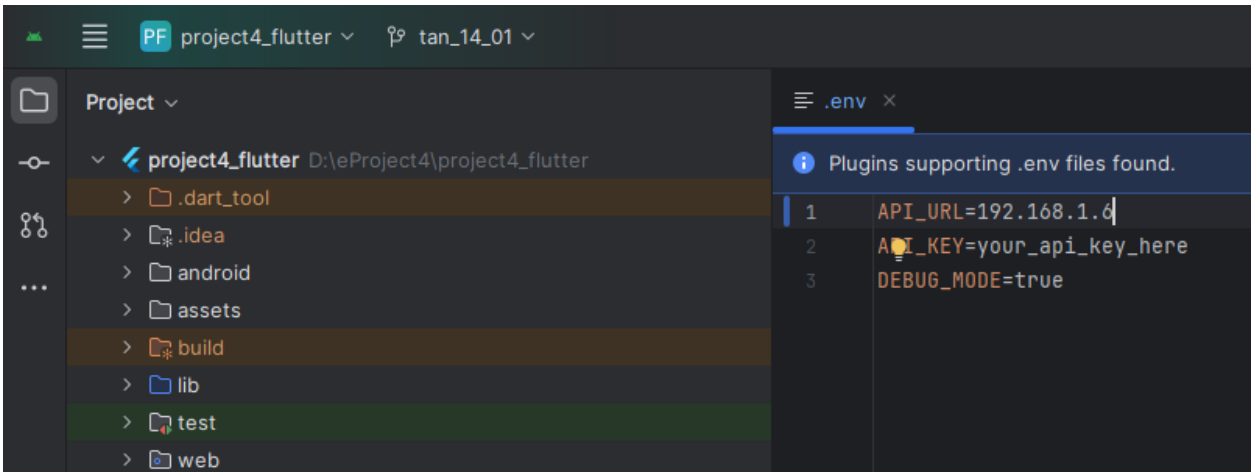
3. When starting success, your emulator will be show like this



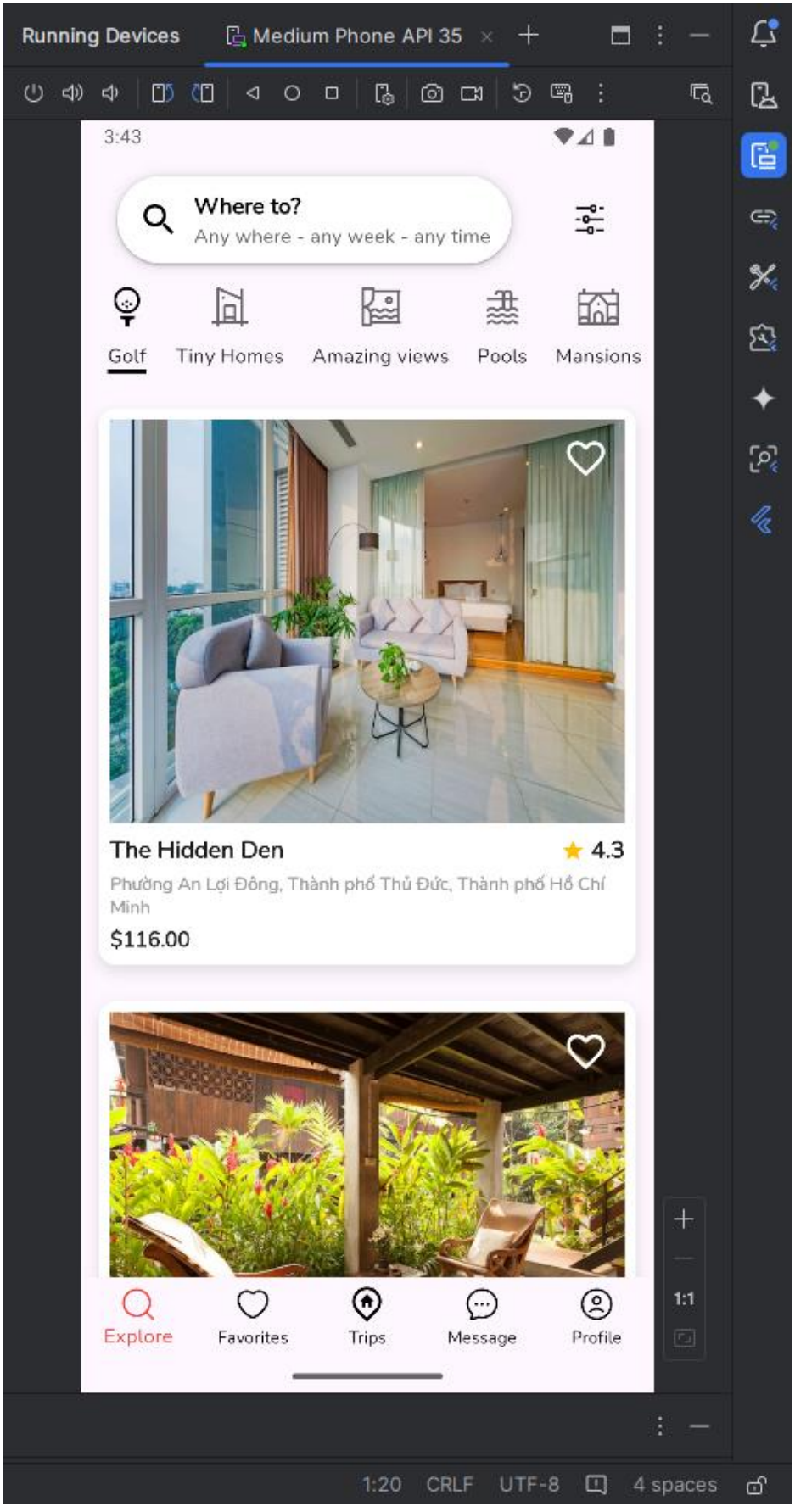
4. Configure the .env file before running
   - Open cmd in Window and type **ipconfig.** Find the IPV4 Address



   - Then go to .env file and change API_URL equal your IPV4 address



5. After changingAPI_URL. Click Run button and see the result


Running Devices
Medium Phone API 35
3:43
Where to?
Any where - any week - any time
Golf
Tiny Homes
Amazing views
Pools
Mansions
The Hidden Den
4.3
Phường An Lợi Đông, Thành phố Thủ Đức, Thành phố Hồ Chí Minh
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Explore
Favorites
Trips
Message
Profile
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1:20
CRLF
UTF-8
4 spaces