

Requirements:

- MySQL Server
- Node JS, NPM, Nodemon

Installing MySQL:

- Run the following commands on your Ubuntu Terminal
 - ⇒ `sudo apt update`
 - ⇒ `sudo apt install mysql-server`
 - ⇒ `sudo mysql_secure_installation`
 - Press Y, if prompted
 - Enter a password satisfying the given properties

Installing NodeJS and NPM:

- Run the following commands on your Ubuntu Terminal
 - ⇒ `sudo apt update`
 - ⇒ `sudo apt install nodejs`
 - ⇒ `sudo apt install npm`
 - Press Y, if prompted

Setting up the database from the given University Database.sql file:

- Open MySQL server on terminal using the following command
 - ⇒ `sudo mysql -u root`
 - Enter your ubuntu password, if prompted.
- Create an empty database named University_Database in the following way
 - ⇒ `CREATE DATABASE University_Database`
- Get inside this database using USE
 - ⇒ `USE University_Database`
- Run the following command to load the database in University_Database
 - ⇒ `source filepath`
 - ⇒ `filepath` → location of University_Database.sql file

Create a User and Granting all privileges to this user:

- Run the following commands on MySQL command prompt.
 - ⇒ `CREATE USER 'sammy'@'localhost' IDENTIFIED BY 'password';`
 - Replace a name that you want to name this user with 'sammy' and set a password and replace it with 'password'.
 - ⇒ `GRANT ALL PRIVILEGES ON *.* TO 'sammy'@'localhost' WITH GRANT OPTION;`
 - Replace 'sammy' with the username you chosen.

Connecting the database and frontend with the help of Node JS:

Open the folder 'University_Project' and there will be three files there, namely,

- package.json
- mysql.js
- server.js

Open mysql.js

- In line 6, replace the user from "archit" to the username you decided in last step.
- In line 7, replace the password from "Comemierda@123" to the password you chose in last step.

Installing Required Node Modules:

- Go to terminal and switch to the directory 'University_Project' in which you found three files earlier.
- Run the following command
 - ⇒ `npm install`
 - ⇒ `npm install -g nodemon`

You will now see new files and folders in the 'University_Project' folder.