#### Lesson 1: What is a server?

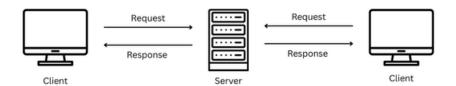
#### 1. How does a server differ from your local computer?

A server is a powerful computer designed to provide services to other computers, called clients, over a network. It's meant to handle requests, manage resources, and stay on almost 24/7.

A local computer is built for individual use, a server is designed to support many users at once, have high reliability, and use specialized hardware to manage multiple tasks efficiently.

Local computers are used for personal tasks, while servers are usually dedicated to running applications, storing data, hosting websites, or managing emails for multiple users.

#### 2. Draw and explain the client-server architecture.



The client-server architecture is a network model that shows how clients connect to central servers to access resources or services. Clients request services or data, and the server responds by providing the data that the client requests. This setup allows multiple clients to access centralized resources or applications hosted on the server.

#### Lesson 4: Linux

### What are the challenges you have encountered in following the given documentation?

For me, I had to do an extra step which is to include the directory of /etc/nginx/servers/\*.conf; to the nginx.conf file.

Post a screenshot when you do curl of your own html.



### Lesson 5: Requirement 1

### As a developer

When I access http://127.0.0.1:5000/friends from my ubuntu terminal

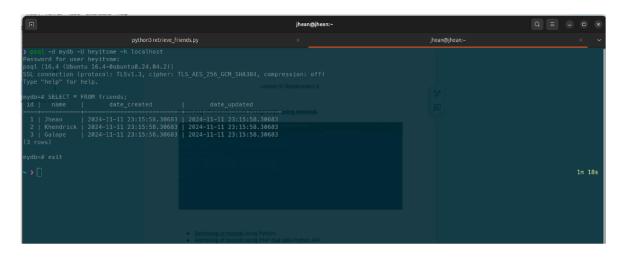


I should be able to access it using this host: http://myapi.nginx:5000/friends

```
python retrieve_friends.py x jhean@jhean.- x jhean@jhean/etc/nginv/servers x v python retrieve_friends.py x jhean@jhean.- x jhean@jhean/etc/nginv/servers x v python retrieve_friends.py x jhean@jhean.- x jhean@jhean/etc/nginv/servers x v python retrieve_friends.py x jhean@jhean.- x jhean@jhean.- x jhean@jhean./etc/nginv/servers x v python retrieve_friends.python re
```

### Lesson 5: Requirement 2

## Retrieving of records inside PostgreSQL using terminal.



## Retrieving records using Python.

### **VIA FLASK API:**

```
python3 retrieve_friends.py

python3 retrieve_friends.py

python3 retrieve_friends.py

curl http://127.0.0.1:5000/fr.tends

[[1, "]hean", "Mon, 11 Nov 2024 23:15:58 GMT", "Mon, 11 Nov 2024 23:15:58 GMT"], [2, "Khendrick", "Mon, 11 Nov 2024 23:15:58 GMT", "Mon, 11 Nov 2024 23:15:58 GMT"], [3, "Galope", "Mon, 11 Nov 2024 23:15:58 GMT", "Mon, 11 Nov 2024 23:15:58 GMT"]]

curl http://mapa.in. Nov 2024 23:15:58 GMT", "Mon, 11 Nov 2024 23:15:58 GMT"]]

[[1, "]hean", "Mon, 11 Nov 2024 23:15:58 GMT", "Mon, 11 Nov 2024 23:15:58 GMT"]]

[[2, "Khendrick", "Mon, 11 Nov 2024 23:15:58 GMT", "Mon, 11 Nov 2024 23:15:58 GMT"]]

[[3, "Galope", "Mon, 11 Nov 2024 23:15:58 GMT", "Mon, 11 Nov 2024 23:15:58 GMT"]]

Retrieving of records inside PostgreSQL using terminal.
```

# Retrieving of records using PHP that calls Python API.

