

CS359 - Computer Network Lab

Lab 8

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The folder contains three files.

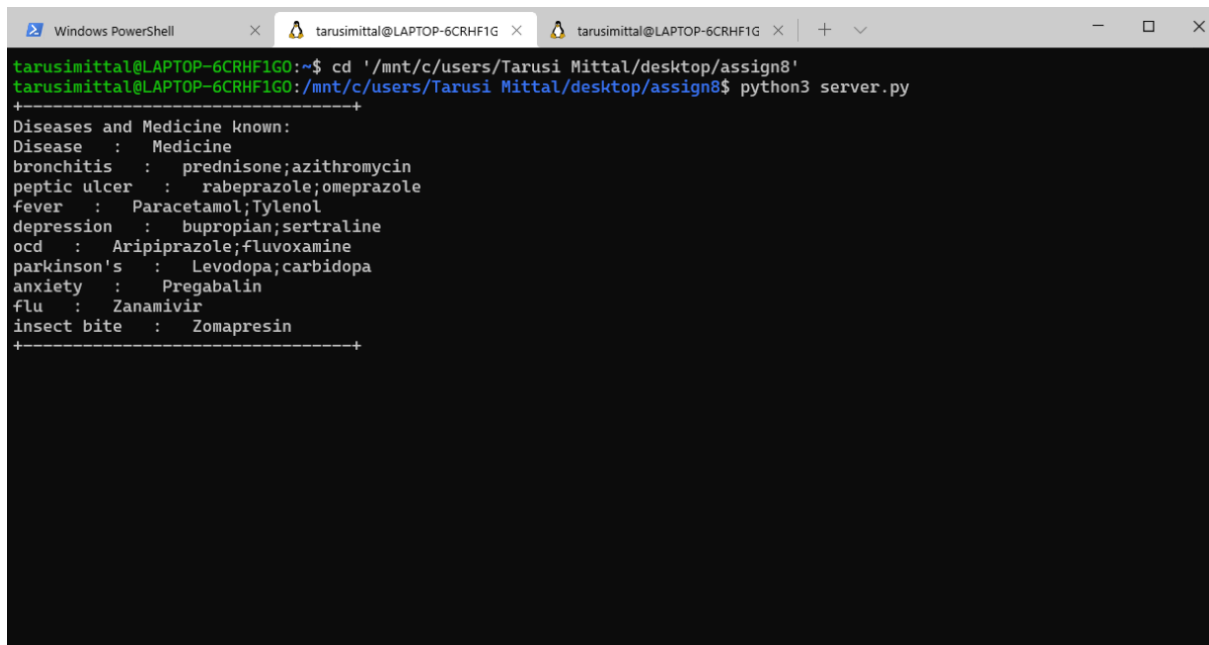
1. server.py -> used at the terminal for server
2. client.py -> used at the terminal for client
3. diseases.csv -> it contains the list of diseases and their medicines.

Starting the server:

To start the server we will go to the designated folder and run the server using the command:

Python3 server.py

The terminal screen will look like this:

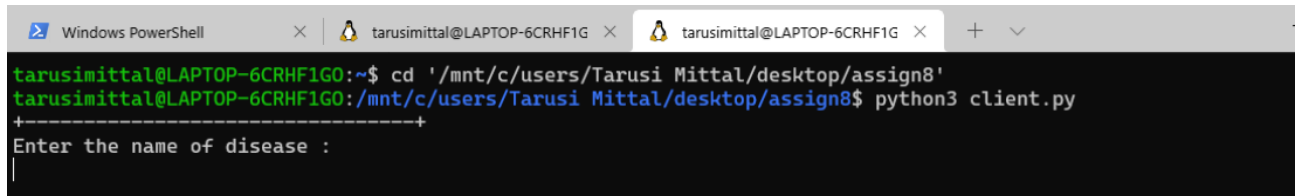


```
tarusimittal@LAPTOP-6CRHF1G:~$ cd '/mnt/c/users/Tarusi Mittal/desktop/assign8'
tarusimittal@LAPTOP-6CRHF1G:/mnt/c/users/Tarusi Mittal/desktop/assign8$ python3 server.py
+-----+
Diseases and Medicine known:
Disease : Medicine
bronchitis : prednisone;azithromycin
peptic ulcer : rabeprazole;omeprazole
fever : Paracetamol;Tylenol
depression : bupropion;sertraline
ocd : Aripiprazole;fluvoxamine
parkinson's : Levodopa;carbidopa
anxiety : Pregabalin
flu : Zanamivir
insect bite : Zomapresin
+-----+
```

Then we will start the client side also using the command:

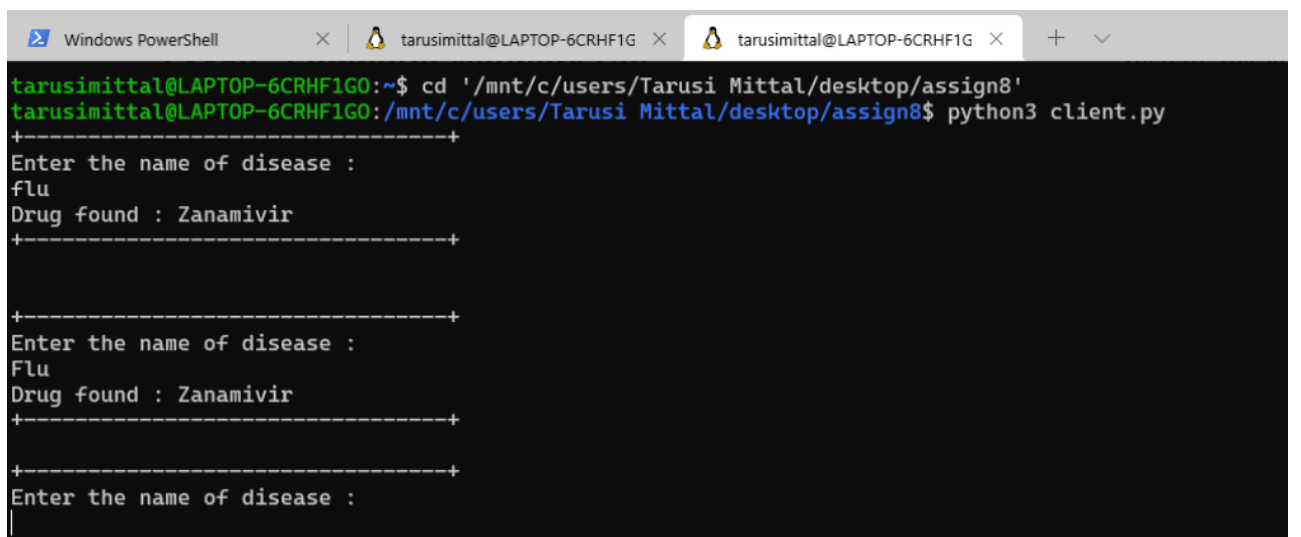
Python3 client.py

The terminal screen will look like this



```
Windows PowerShell | tarusimittal@LAPTOP-6CRHF1G | tarusimittal@LAPTOP-6CRHF1G
tarusimittal@LAPTOP-6CRHF1G0:~$ cd '/mnt/c/users/Tarusi Mittal/desktop/assign8'
tarusimittal@LAPTOP-6CRHF1G0:/mnt/c/users/Tarusi Mittal/desktop/assign8$ python3 client.py
+-----+
Enter the name of disease :
|
```

Now we will send a disease name from the client side:



```
Windows PowerShell | tarusimittal@LAPTOP-6CRHF1G | tarusimittal@LAPTOP-6CRHF1G
tarusimittal@LAPTOP-6CRHF1G0:~$ cd '/mnt/c/users/Tarusi Mittal/desktop/assign8'
tarusimittal@LAPTOP-6CRHF1G0:/mnt/c/users/Tarusi Mittal/desktop/assign8$ python3 client.py
+-----+
Enter the name of disease :
flu
Drug found : Zanamivir
+-----+

+-----+
Enter the name of disease :
Flu
Drug found : Zanamivir
+-----+

+-----+
Enter the name of disease :
|
```

We can see that in whatever case we send the message the result is going to be correct.

This is the case when the disease is known to the server..

The server side for this will look like:

```
Windows PowerShell x tarusimittal@LAPTOP-6CRHF1G x tarusimittal@LAPTOP-6CRHF1G x + v
tarusimittal@LAPTOP-6CRHF1G0:~$ cd '/mnt/c/users/Tarusi Mittal/desktop/assign8'
tarusimittal@LAPTOP-6CRHF1G0:/mnt/c/users/Tarusi Mittal/desktop/assign8$ python3 server.py
+-----+
Diseases and Medicine known:
Disease : Medicine
bronchitis : prednisone;azithromycin
peptic ulcer : rabeprazole;omeprazole
fever : Paracetamol;Tylenol
depression : bupropion;sertraline
ocd : Aripiprazole;fluvoxamine
parkinson's : Levodopa;carbidopa
anxiety : Pregabalin
flu : Zanamivir
insect bite : Zomapresin
+-----+

+-----+
Connected with ('127.0.0.1', 45090)
+-----+

+-----+
Message recieved : flu
To send : Drug found : Zanamivir
+-----+

+-----+
Message recieved : Flu
To send : Drug found : Zanamivir
+-----+
|
```

Now let us see when the disease is not known to the server.

```
Windows PowerShell x tarusimittal@LAPTOP-6CRHF1G x tarusimittal@LAPTOP-6CRHF1G x + v
tarusimittal@LAPTOP-6CRHF1G0:~$ cd '/mnt/c/users/Tarusi Mittal/desktop/assign8'
tarusimittal@LAPTOP-6CRHF1G0:/mnt/c/users/Tarusi Mittal/desktop/assign8$ python3 client.py
+-----+
Enter the name of disease :
flu
Drug found : Zanamivir
+-----+

+-----+
Enter the name of disease :
Flu
Drug found : Zanamivir
+-----+

+-----+
Enter the name of disease :
vomit

Drug for this disease not found. We will update the system soon
+-----+

+-----+
Enter the name of disease :
|
```

The server side looks like:

```
+-----+
Message recieved : Flu
To send : Drug found : Zanamivir
+-----+

+-----+
Message recieved : vomit
Drug not found
+-----+
```

Some more examples:

```
Windows PowerShell  tarusimittal@LAPTOP-6CRHF1G  tarusimittal@LAPTOP-6CRHF1G  +  v
+-----+
Enter the name of disease :
flu
Drug found : Zanamivir
+-----+

+-----+
Enter the name of disease :
Flu
Drug found : Zanamivir
+-----+

+-----+
Enter the name of disease :
vomit
Drug for this disease not found. We will update the system soon
+-----+

+-----+
Enter the name of disease :
peptic ulcer
Drug found : rabeprazole;omeprazole
+-----+

+-----+
Enter the name of disease :
depression
Drug found : bupropian;sertraline
+-----+

+-----+
Enter the name of disease :
+-----+
Drug found : Zanamivir
```

```
Windows PowerShell  X  tarusimittal@LAPTOP-6CRHF1G  X  tarusimittal@LAPTOP-6CRHF1G  X  +  V

+-----+
Connected with ('127.0.0.1', 45090)
+-----+

+-----+
Message recieved : flu
To send : Drug found : Zanamivir
+-----+

+-----+
Message recieved : Flu
To send : Drug found : Zanamivir
+-----+

+-----+
Message recieved : vomit
Drug not found
+-----+

+-----+
Message recieved : peptic ulcer
To send : Drug found : rabeprazole;omeprazole
+-----+

+-----+
Message recieved : depression
To send : Drug found : bupropian;sertraline
+-----+

|
```

END
