lab-flobal communication

folders	used for
reciever_server	main global server side
lab1_client	lab client file registered on global server
lab2_client	lab client file registered on global server
lab3_client	lab client file registered on global server
readme file	intructions and setup

folder: reciever_server -> contains main server file and initializers ofthose clients who are trusted and registered and one reset.txt file to reset the initializers

data in initX.txt (X=1,2,3) (its content changes according to lab records)
->
infected : 0
death : 0
recovered : 0

data in reset.txt (its content will untouched)
->s
infected : 0
death : 0
recovered : 0

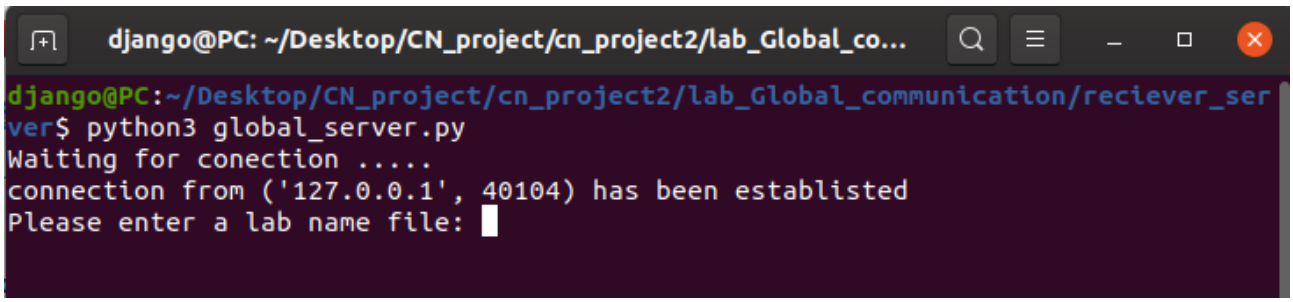
other folders: labX_client (X=1,2,3) -> contains main client file with their record details file (record.txt)

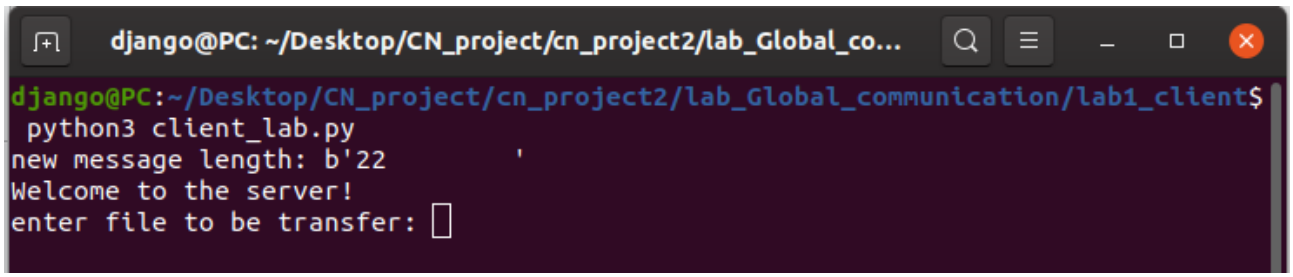
data in record.txt
for example in lab1_client folder
->
infected : 11
death : 2
recovered : 4

----------NOW AFTER RUNNING server AND client FILE----------
terminal 1:
$ python3 global_server.py

terminal 2:
$ python3 client_lab.py

you will see these windows on terminals:





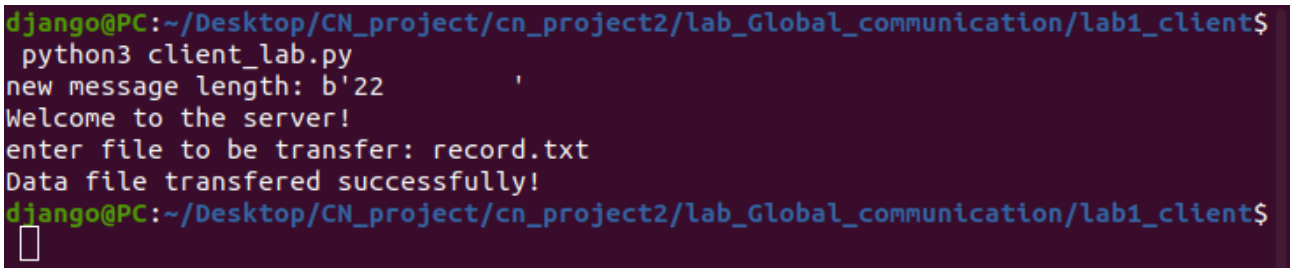
firstly,

enter file name “lab1_record.txt” (always use this name) in server side and press ‘enter’

then,

enter file name “record.txt” in client side and press ‘enter’

now after this it will create a file “lab1_record.txt” in reciever_server direcetory and will hold the data extracted from the lab1_client “record.txt”



After transferring the data successfully client will disconnect.

Now on terminal with server side it will ask for “record updation” (y/n)

here are two cases->

case 1: when we want to update the record of lab data and, enter ‘y’ and press ‘enter’
after this it will ask to enter “lab ID” , enter ‘1’ as we are updating the record of lab-1 data

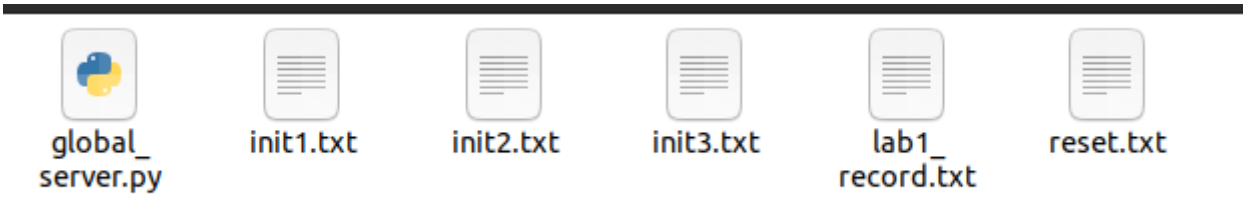
```
django@PC:~/Desktop/CN_project/cn_project2/lab_Global_communication/reciever_ser
ver$ python3 global_server.py
Waiting for conection .....
connection from ('127.0.0.1', 40104) has been establisted
Please enter a lab name file: lab1_record.txt
File with lab data received succesfully!
Update record? (y/n) y
11 2 4
enter lab ID: 1
django@PC:~/Desktop/CN_project/cn_project2/lab_Global_communication/reciever_ser
ver$
```

then it update the update data by updating “init1.txt” file.

Data in “init1.txt”
->
infected : 11
death : 2
recovered : 4

and along side it will create a “lab1_record.txt” and it will change when lab client record changes and want to update.

After this full Case we will be left with these files



case 2 : as now our “init1.txt” is now updated and we want to reset it, then

follows same steps again above case 1 and now you will be asked for updation again
and now enter ‘n’ and press ‘enter‘

```
django@PC:~/Desktop/CN_project/cn_project2/lab_Global_communication/reciever_ser
ver$ python3 global_server.py
Waiting for conection .....
connection from ('127.0.0.1', 40172) has been establisted
Please enter a lab name file: lab1_record.txt
File with lab data received succesfully!
Update record? (y/n) n
Do you want to reset lab record? (y/n)
```

now it will ask again to confirm to reset lab record if you press ‘n’ then press ‘enter’, here it will cancel reset, and shut down the server, nothing will be changed. But if you enter ‘y’ and then press ‘enter’, then you will come up with this

```
django@PC:~/Desktop/CN_project/cn_project2/lab_Global_communication/reciever_ser
ver$ python3 global_server.py
Waiting for conection .....
connection from ('127.0.0.1', 40172) has been establisted
Please enter a lab name file: lab1_record.txt
File with lab data received succesfully!
Update record? (y/n) n
Do you want to reset lab record? (y/n) y
enter lab ID: 1
django@PC:~/Desktop/CN_project/cn_project2/lab_Global_communication/reciever_ser
ver$
```

it will ask for client/lab ID (here say ‘1’ as we want to reset ‘init1.txt’ which is the file for lab 1 client) and ill will reset the “init1.txt” file.
Now check “init1.txt” file,

data should be
->
infected : 0
death : 0
recovered : 0

which is reseted to inital value

And, now its your choice to delete “lab1_record.txt” coz it wont affect the other files as it will be created again if when you again update record data of lab 1 client (try to use same name so that it wont create to many duplicate files with different names).
If you dont want “lab1_record.txt” you have to delete it manually.

NOTE :
Same steps and instructions for other client files as well but only differ in naming at some places