

## Documentation for client-server application

My code contain two files :

- 1) client.py
- 2) server.py

Command Line Argument for executing both files :

```
python client.py  
python server.py
```

### Client GUI Components Explained :-

- 1) Disconnect Client Button :
  - Close Client and notify server that client is disconnected
- 2) Text box
  - Enter client's name.
  - Clients should enter alphabet or digit. If other illegal entered then client will be closed
- 3) Connect button
  - When the user clicks the connect button. Directory will be created based on client's name
- 4) Connected label
  - Connected represent acknowledgement of client
- 5) Text Box
  - Create directory :- enter directory name you want to create
  - Delete directory :- enter directory name you want to delete
  - Move directory :- enter source directory then destination directory following my #  
E.g **sourcedir#destination ( from source to destination move)**
  - Rename directory :- enter source directory then destination directory following my #  
E.g **sourcedir#destination ( source directory changed with destination dir)**
- 6) Label
  - List of directory after any directory operation
  - **Assumption**
    - **Directory is not listed before any operation on directory**
    - **List is in directory so please take directory name of one character**
- 7) Create directory
  - Create directory of name given in above textbox
- 8) delete directory
  - Delete directory of name given in above textbox
- 9) Move directory
  - Move directory from source name to destination name given in above textbox
- 10) rename directory

- Rename directory from source name to destination name given in above textbox

### Server GUI components Explained :-

1. Disconnect Server button :-
  - Disconnect server
2. Label :-
  - List how many clients are connected
  - List will be updated after client connect or disconnect
3. Label :
  - Last operation on directory performed by which server  
E.g **Directory delete by client : client\_name**

### Reference Links ( Citation)

- <https://github.com/kenilpatel/Client-server-application/blob/master/client.py>
- <https://github.com/kenilpatel/Client-server-application/blob/master/server.py>
- <https://github.com/kenilpatel/Client-server-application>