**PSEUDOCODE (For Sysadmin.py)**

* Firstly ,5 modules are added to the script which will be assisting in implementing the script and the modules are: -
* **Socket**
* **Getpass**
* **Datetime**
* **os**
* Afterwards, a file named “myfinalfile.txt” is being created which will be having all the details like
* Username
* Computer name
* Time and Date
* Total number of processes running on the system
* List of top 10 processes running on the system (Sorted according to consumption the most memory)
* Username is fetched using the getpass.getuser() module.
* Moving ahead username is then written to the file and a new line is added to make the document readable.
* In the proceeding step the computer name is fetched and date and time are also fetched.
* After that date and time are being formatted.
* Moving ahead,number of the processes which are running on the pc are fetched and following this the number of the top 10 processes which are listed according to the memory consumption and it is appended to the file.
* At the end the file is closed and sysadmin script is ready!!!

**PSEUDO CODE FOR SERVER.PY**

* First of all, socket module is imported
* After that the ip address of the server (in my case windows 10) is entered and the port which will be used to establish the connection is also specified
* To give the confirmation that socket is trying to establish the connection, on terminal “Connection is in progress” is printed.
* Moving ahead the connection request which is being made by the client is accepted.
* After that a file named “FinalFile.txt” is created which will be writing the data (in bytes) which is being send by the client.
* After that “Connection has been successfully established” is printed to the terminal.
* Moving ahead a while loop is setup which will be receiving the data (in bytes) sent by client. If the data is being received, then it will be written to the file FinalFile.txt but if no data is being received then the loop will break
* And socket will be closed, Followed by the closing of the file “FinalFile.txt”

**PSEUDOCODE FOR CLIENT.PY**

* Script is started with importing the socket module
* Ip address of the server (windows 10) is specified and the port which will be used for making the connection is specified.
* File which is to be sent is then specified (in my case location of file is ("/home/mukuljoshi/myfinalfile.txt”)).
* After that data is being read into the bytes and on terminal a message is printed that “File Is being sent to the windows workstation” and a loop is set which will be reading and sending bytes to the windows workstation(server)
* As soon as file is sent a message Is printed that “File has been sent successfully” and socket is closed and again a message is printed “Connection has been closed”