**Assignment 1 Document for code:**

**The commands added to the server file (s.py) are:**

All the bellow commands are ran based on the users input containing the word of that command (i.e., <delete-filename>, the command delete) and if statements checking each input from the user for this command. All the commands are coded on the server (s.py) script.

* **Delete –** when the user types <delete-filename>, delete filename is printed. The input is cleaned to figure out what file the user wants to delete. The file is then deleted using the remove function.
* **Hash –** when the user types <hash-filename> it formats the string to get the filename and then using the built in hash function it hashes the file with the name given.
* **Split –** <split-filename> does the same as the others and cleans the users input to get what the file, they want to split is. Then the file is split into 2 files of chunksize (which is a variable set to 500,000 bytes) each. The files are named 1.mp3 and 2.mp3.
* **Get file –** When the user types <getfile-filename> it formats the string to remove everything before the – and removes the > at the end. It then uses the name for the file to look for the file in the server directory. It then reads in the file it finds and sends it over to the client as a file titled new.mp3. (The opening of the file and naming is done on the client side in the c.py file).
* **Hello –** The command <hello> just prints the response.
* **Search files –** when user types the <list> command. It displays all the files in that the home directory and sends it over to the client. It filters out the files that are not .mp3 and returns a list of
* **Exit-** I put the client connection to the server in a for loop and it keeps allowing users to input commands. So, if the user types <exit> the for loop is broken and ends the connection.