Name: Jeevan Reddy Bodapatla
ID: 1001949287

Steps to execute:

We need watchdog to need execute in the system and python3 as the code is written in python

 Step 1: open cmd and type **"python server_a.py"** this command is used for server A To invoke after that minimize the cmd.

Step 2: open new cmd and type**"python server_b.py"** this command is used for Server B after that minimize the cmd.

Step 3: open a new cmd again and type **"python client.py"** now execute the file then after enter a key to get files displayed in the directories.

Step 4: do operation like inserting new file,deleting a file, adding duplicates etc.

Step 5: after the required operations are done press CTRL+C to end kill the server response.

CITATION:

WATCHDOG:
https://xiaoouwang.medium.com/create-a-watchdog-in-python-to-look-for-filesystem-changes-aaabefd14de4

#https://www.programcreek.com/python/example/96680/watchdog.events.FileSystemEventHandler

https://github.com/gorakhargosh/watchdog

https://pythonhosted.org/watchdog/api.html#module-watchdog.events

MD5 HASH:
https://stackoverflow.com/questions/1131220/get-md5-hash-of-big-files-in-python