Using your new httpserver with caching, perform an experiment to demonstrate how caching can improve performance (latency and/or throughput). Do a test with caching turned on and compare it with the same test but with caching turned off.

Caching improves both latency and throughput because if the file is on cache, memory reads and much faster than disk reads. Thus we can process more requests depending on if it was in the cache or not.

Testing:

Tested server by uploading, 5 dif files, trying to get all five files. Ran out of time so when a file gets popped off cache it never gets written to disk. Only writes to disk on put requets if caching is off. Caching technically is working.