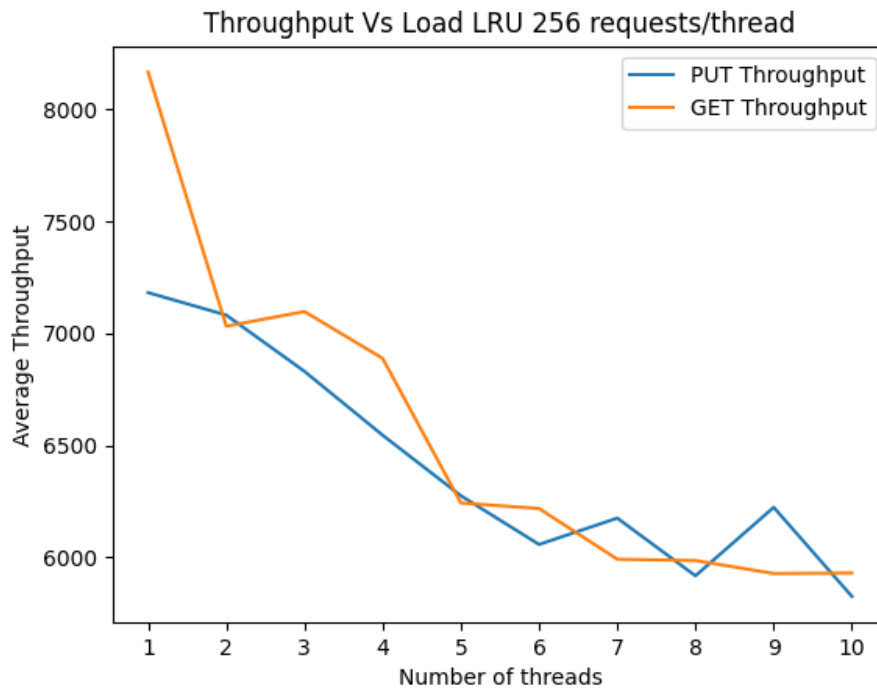
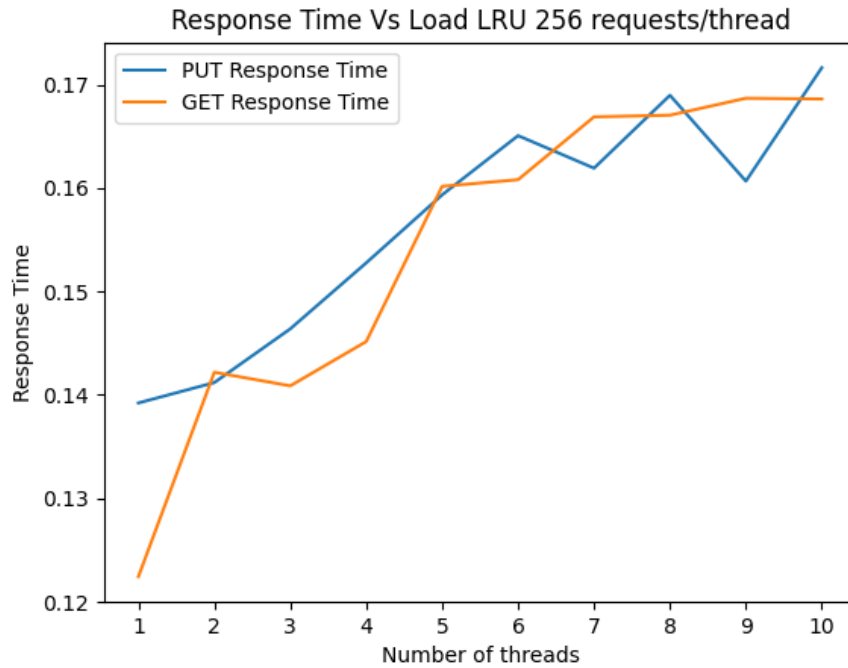
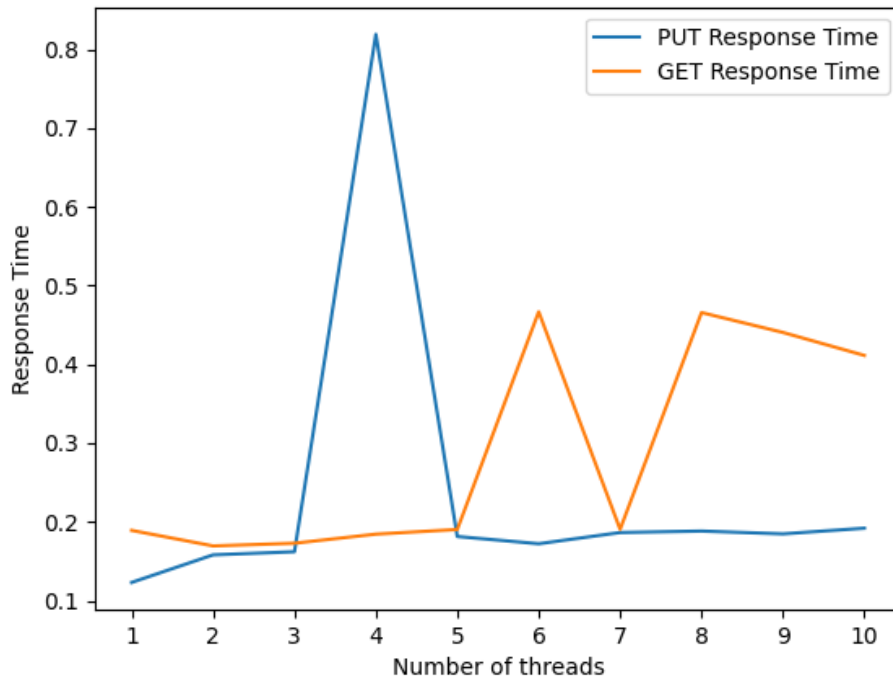


DECS Assignment 4

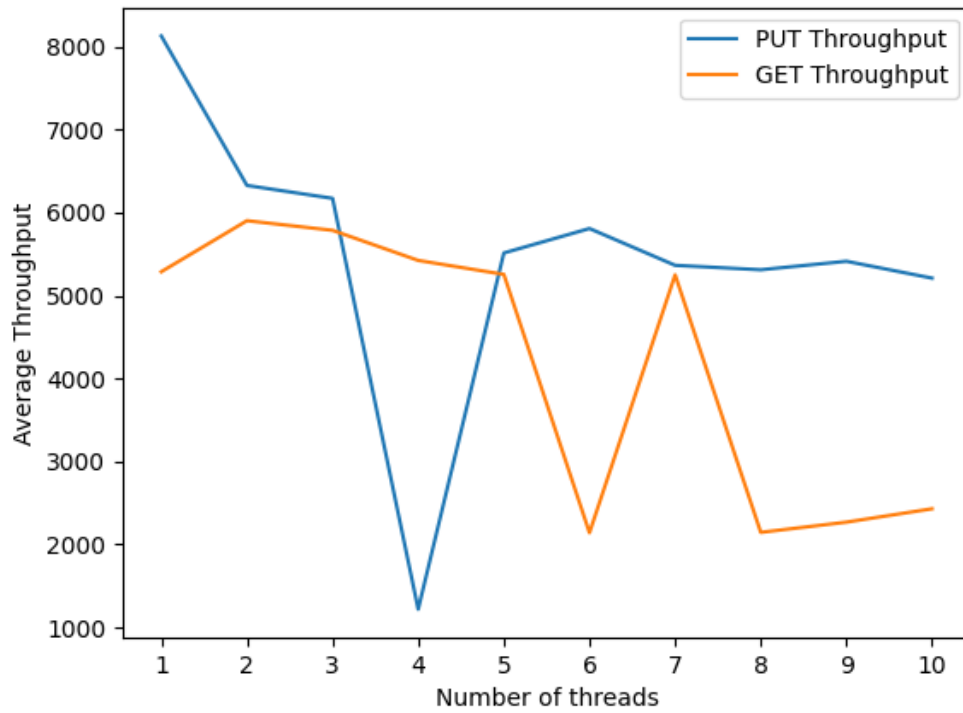
Plots: (Response time is in ms)

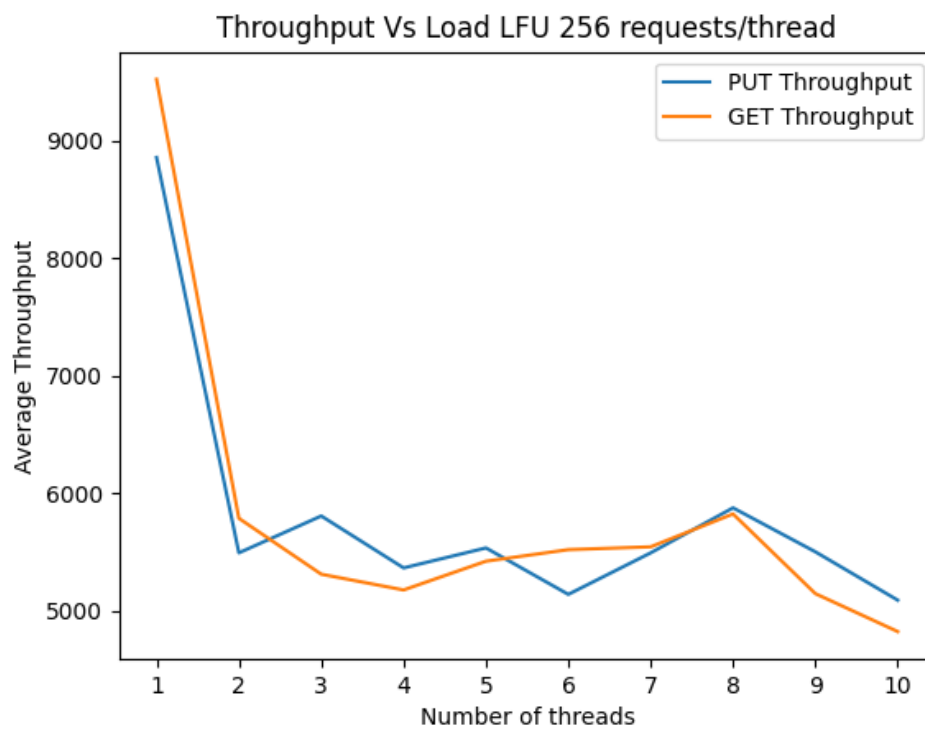
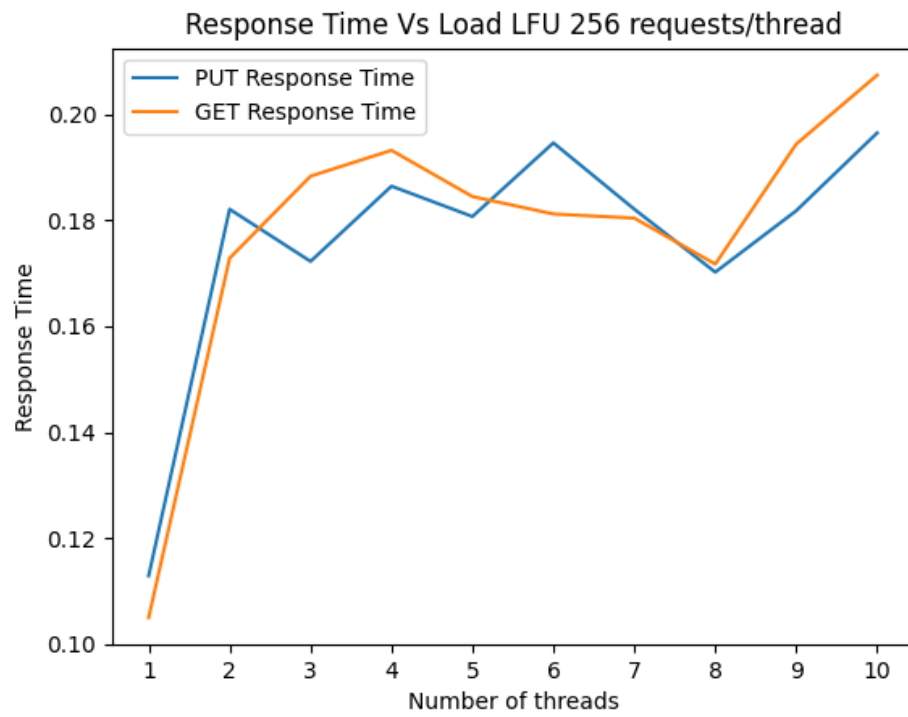


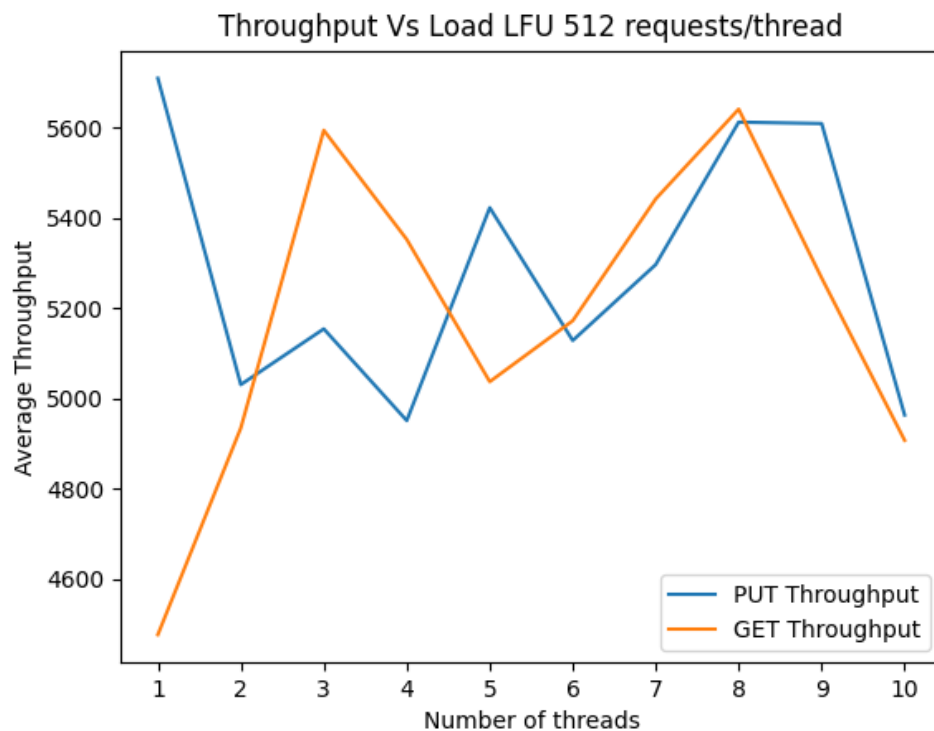
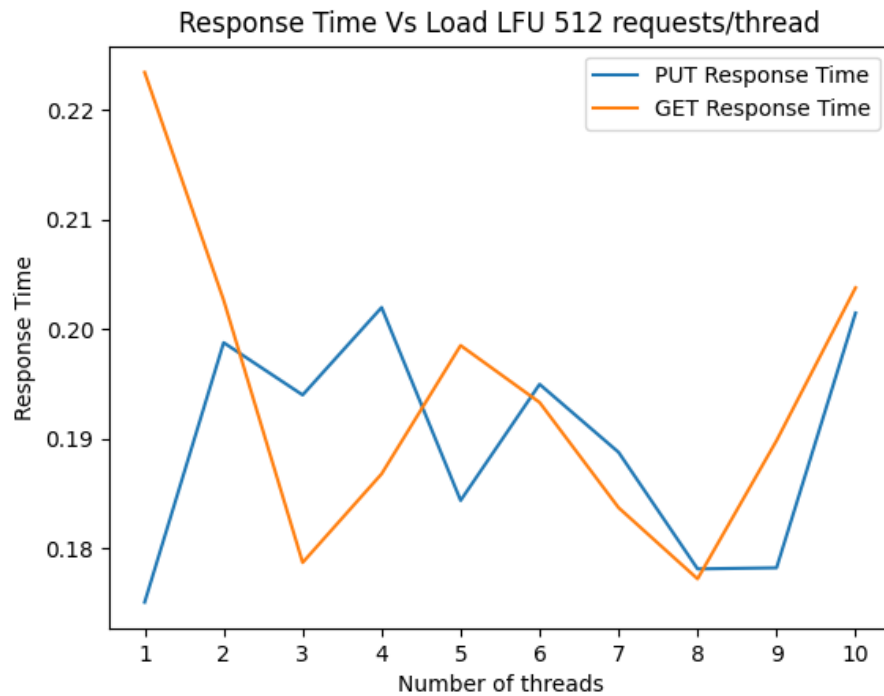
Response Time Vs Load LRU 512 requests/thread



Throughput Vs Load LRU 512 requests/thread







When the number of requests per second is within 256 (cache size used is 256), the performance keeps on decreasing with load i.e. the throughput keeps on decreasing and the average response time keeps on increasing.

As we are running the client and server on the same machine, they both use up CPU cores, and this is what was expected when the load was increased.

When the number of requests per second is much greater than the cache size, the maximum throughput we get is less than that in the previous case, as the file access frequency will increase.