

COMPUTER NETWORK REPORT

4 H(for the server-client model)

KEY	REQ1	REQ2	REQ3	Average Time
KEY1	0.001797110	0.002039131	0.003060389	0.002300043
KEY2	0.002055777	0.001971196	0.002958316	0.002317419
KEY3	0.002040311	0.002134780	0.002694108	0.002279733
KEY4	0.002123601	0.001967202	0.002596349	0.002181290
KEY5	0.002216316	0.001968671	0.002358169	0.002181052
KEY6	0.002104318	0.002420074	0.002522610	0.002349000

5 E(for the server-cache-client model)

KEY	REQ1	REQ2	REQ3
KEY1	0.002927292	0.002093792	0.001970233
KEY2	0.008202460	0.002085562	0.007052337
KEY3	0.003520593	0.007273439	0.002273334
KEY4	0.003820400	0.001720325	0.002236926
KEY5	0.009437408	0.001695987	0.001635453
KEY6	0.004070295	0.001843933	0.001654528
Average Time	0.005329741	0.002782173	0.002803801

6. The average time taken for the first request is higher than the second and third requests.

This difference is observed because when the first time the request is sent to the cache it does not have any data stored in it and hence the request is forwarded to the server and the data is

also stored in the cache. But when the same request is made for the subsequent times the data is available in the cache, and it is sent directly from there(i.e the server is not involved).

PLAGIARISM STATEMENT

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Name: DIYA GOYAL

Date: 15-10-2022

Signature: DG