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CS 342- Project 2

Report

In that report execution times are measured. After I wrote the code in client.c I defined start, stop values. It starts from the beginning and measures the execution times. It increments the count and at the end it prints the time required for that job.

I did some experiments changing the client numbers and lines. In that chart we understand that if line number of counts and the number of clients increase the time is increases close to linear increasing. I increased the number of files and lines and I observed that the time increases.

|  |  |  |  |
| --- | --- | --- | --- |
| Client | File Number | Lines | Time / ms |
| 1 | 1 | 1500 | 5668 |
| 2 | 1 | 3000 | 12845 |
| 3 | 1 | 4500 | 22548 |
| 4 | 1 | 6000 | 38157 |
| 5 | 1 | 7500 | 43268 |
|  |  |  |  |
| 1 | 1 | 1500 | 5668 |
| 1 | 2 | 3000 | 7440 |
| 1 | 4 | 6000 | 12281 |
| 1 | 6 | 9000 | 17378 |
| 1 | 8 | 12000 | 21356 |

Figure 1: Changes in time chart

In client.c class I wrote which lines are regarding to the time. If it is needed these lines can be deleted and running again in order not to see Time feature as output.