In our simulated database our code is O(1) for create, update and delete

Is O(N) for read, as it has to process all the previous added operations

This is the performance measure for 1 single operation based on the DB size

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| DB size | C | R | U | D |
| 10 | 0.0009999 | 0.009 | 0.00099 | 0.001 |
| 100 | 0.0009999 | 0.0120206 | 0.000994 | 0.001 |
| 1000 | 0.0010028 | 0.0160244 | 0.0009708 | 0.001 |
| 10000 | 0.0009997 | 0.0692773 | 0.0009997 | 0.001 |
| 100000 | 0.0009997 | 0.6636608 | 0.0009961 | 0.001 |
| 10000 | 0.0009997 | 6.5296197 | 0.0009961 | 0.0009999 |