|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Implementation**  **Case 1** | **No of threads** | | | | | | | |
| **1** | | **2** | | **4** | | **8** | |
| **Average** | **Std** | **Average** | **Std** | **Average** | **Std** | **Average** | **Std** |
| Serial | 0.021266 | 0.000541 |  | | | | | |
| One mutex for entire list | 0.002298 | 0.005916 | 0.002801 | 0.007743 | 0.002996 | 0.008013 | 0.003299 | 0.007919 |
| Read-Write lock | 0.162016 | 0.095723 | 0.093265 | 0.055460 | 0.055636 | 0.032251 | 0.061239 | 0.040259 |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Implementation**  **Case2** | **No of threads** | | | | | | | |
| **1** | | **2** | | **4** | | **8** | |
| **Average** | **Std** | **Average** | **Std** | **Average** | **Std** | **Average** | **Std** |
| Serial | 0.028924 | 0.001222 |  | | | | | |
| One mutex for entire list | 0.002601 | 0.006813 | 0.002902 | 0.007717 | 0.003000 | 0.007348 | 0.002798 | 0.007414 |
| Read-Write lock | 0.157510 | 0.092665 | 0.104172 | 0.062234 | 0.076053 | 0.042961 | 0.738445 | 0.042189 |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Implementation**  **Case3** | **No of threads** | | | | | | | |
| **1** | | **2** | | **4** | | **8** | |
| **Average** | **Std** | **Average** | **Std** | **Average** | **Std** | **Average** | **Std** |
| Serial | 0.056696 | 0.001532 |  | | | | | |
| One mutex for entire list | 0.005198 | 0.014613 | 0.003700 | 0.011102 | 0.003595 | 0.009487 | 0.003098 | 0.007981 |
| Read-Write lock | 0.188531 | 0.076984 | 0.163337 | 0.076608 | 0.147505 | 0.077235 | 0.147901 | 0.080493 |