

Concurrent Programming Report

This report outlines with the use of table the time taken for different ways of handling thread synchronisation. The methods used were an atomic variable, a mutex lock using a semaphore and using the synchronize keyword on a method.

Times after running each process five times

Atomic Variable	Mutex Lock	Synchronize Keyword
2521	2528	2522
2526	2529	2526
2540	2533	2529
2540	2542	2529
2542	2547	2560
Min	Min	Min
2521	2528	2522
AVG	AVG	AVG
2534	2535	2533
Max	Max	Max
2542	2547	2560

In summary the synchronised was faster than the atomic with the mutex lock coming in last.