PA5 REPORT

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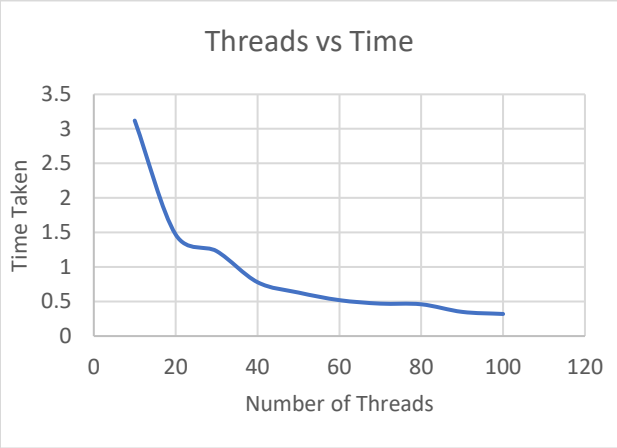
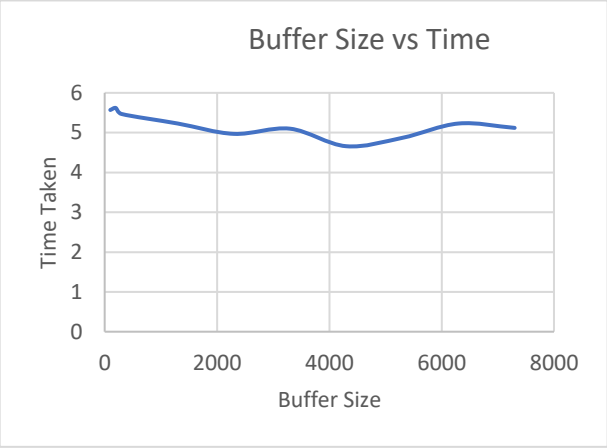
Section 507

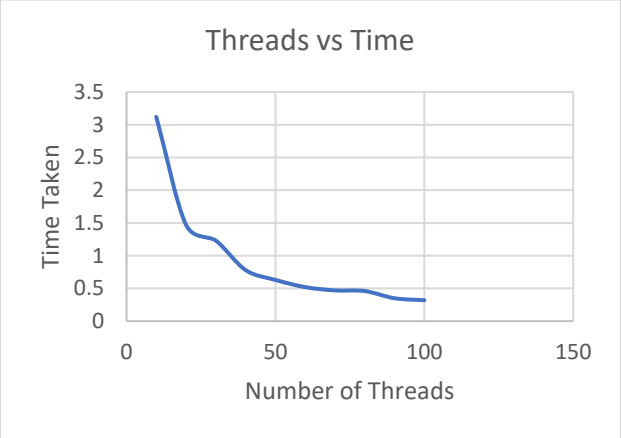
MESSAGE QUEUE RESULTS

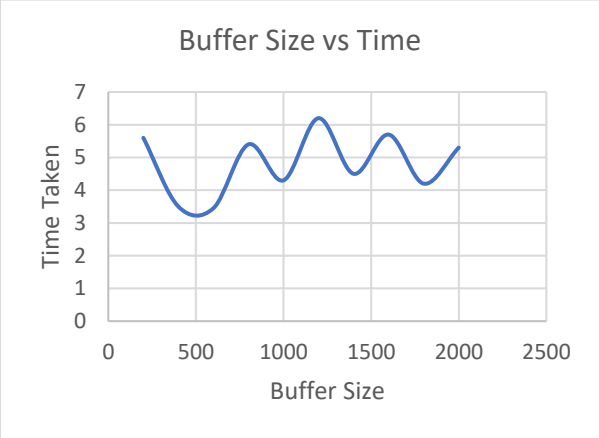
Data Requests:





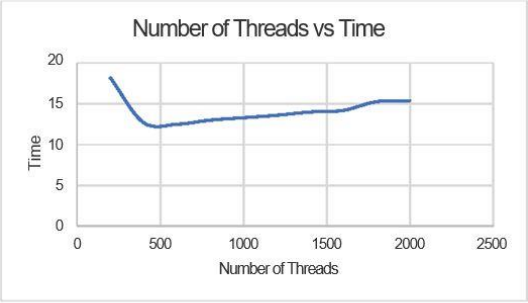
File Requests:

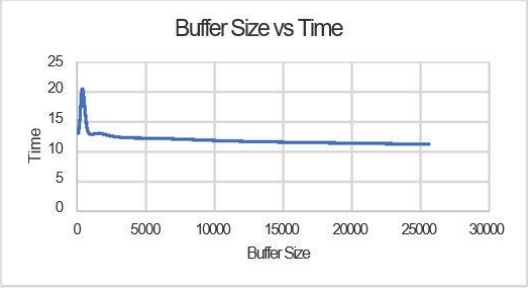




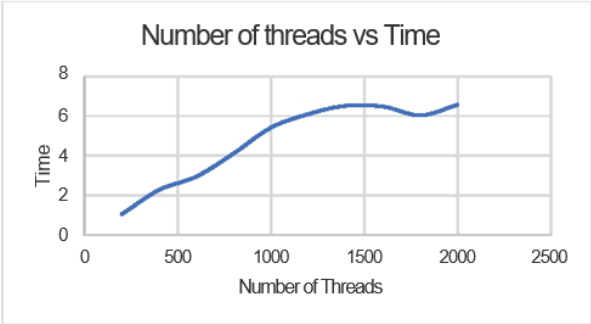
FIFO RESULTS

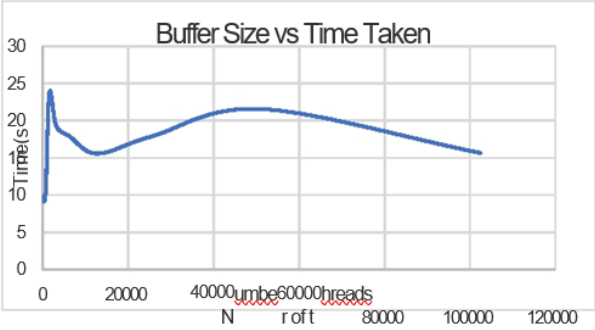
Data Requests:





File Requests:





Conclusions:

- Max number of threads allowed in FIFO = 2000
- Max number of threads allowed in message queue = 127
- Message Queue outperforms FIFO in optimal conditions
- Increasing the number of threads improves the performance of message queue but worsens it for FIFO because of race conditions
- No Race Condition problems occur in message queue
- Cleaning activity for FIFO is done by sending quit messages for each channel that was created
- Cleaning activity for message queue is done by removing it from the kernel using unlink or close function