

Summary

Overall this was a great lab. The example given for the FIFO algo helped me understand how to write my LRU algorithm. Instead of comparing by time of arrival however, we compared by the time of access which gave us slightly fewer page faults in our LR Workload access algorithm. It was great to see my values reflecting the expected trends for each algorithm. My output is included below:

The average number of page faults for FIFO with Random Access is 8760.

The average number of page faults for LRU with Random Access is 8759.

The average number of page faults for OPT with Random Access is 8757.

The average number of page faults for CUST with Random Access is 8755.

The average number of page faults for FIFO with Sequential Access is 10000.

The average number of page faults for LRU with Sequential Access is 10000.

The average number of page faults for OPT with Sequential Access is 8830.

The average number of page faults for CUST with Sequential Access is 8830.

The average number of page faults for FIFO with LR Workload Access is 883.

The average number of page faults for LRU with LR Workload Access is 874.

The average number of page faults for OPT with LR Workload Access is 874.

The average number of page faults for CUST with LR Workload Access is 874.