

## Summary

This lab talks about replacing pages in a page table on 'Misses'. It takes into account 3 different algorithms, namely, FIFO(First in First out), LRU(Least Recently Used), and OPT(Optimal). The program compares average number of page faults of each of the algorithms with page reference sequences.

```
● bash-4.2$ ./memory
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 5925.
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 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 611.
○ bash-4.2$
```

The above is the results which show the average page faults for different algorithms.