Course: CprE 208

Section: G

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**CprE 308 Laboratory 6: Memory Management Report**

**Summary**

In this lab, I learned several different memory management methods in Linux Operating System. They are First-In-First-Out (FIFO), Optimal (OPT) and Least Recently Used (LRU). I used C code implemented the OPT, LRU and another custom algorithm of memory management by finding the largest frame id. After finishing this lab, I got a deeper understanding of memory management.

**Average Page Fault Chart for 4 Different Algorithms:**

|  |  |  |  |
| --- | --- | --- | --- |
|  | RAN | SEQ | LR |
| OPT | 5911 | 8830 | 613 |
| FIFO | 8751 | 10000 | 883 |
| LRU | 8749 | 10000 | 876 |
| CUST | 8160 | 8830 | 844 |