ECE 437 / CS 481 Operating System Principles

Programming Assignment 4

Objective

The objective of this lab is to analyze the effectiveness of various page replacement strategies by determining the page fault rate for a given sequence of page accesses with varying numbers of frames.

The Assignment

The specific assignment is Chapter 9 programming problem 9.39 in the 9th edition of Operating Systems Concepts, by Silberschatz. To test your program, use the following page access sequence:

```
pages = [7,0,1,2,0,3,0,4,2,3,0,3,2,1,2,0,1,7,0,1]
```
.

What to turn in

For This programming assignment #4, submit your c file named <your_lastname>_prog_assign4.c, a short written description of it, and a table with the page fault rates for each algorithm with the number of frames varying from 1 to 7. Submit your work on learn.unm.edu, or you may submit your materials in class.