Lab Assignment 4

Operating Systems

Monsoon Semester 2019

Max Marks:10

Write a program that implements the FIFO and LRU (you may use stack implementation) page replacement algorithms presented. First, generate a random page-reference string (use random number generator of your programming language) where page numbers range from 0 to 9. Apply the random page-reference string to each algorithm, and record the number of page faults incurred by each algorithm. Implement the replacement algorithms so that the number of page frames can vary from 1 to 7. Assume that demand paging is used.