

Indian Institute of Technology Jodhpur
Operating Systems Lab (CSL 3030)
Lab Problem

Dated 28th September, 202

Write a program in C/C++ language to implement FIFO, LRU and Optimal Page Replacement Algorithms (Consider that the degree of multiprogramming is 1). The Inputs and outputs are the following:

User Input

- a) Number of frames allocated to the process
- b) Reference string

Output:

No. of page faults for each replacement algorithm

Run the simulation n number times in a loop (use different values for input b in each loop) for a given choice and check if there is Belady's Anomaly by increasing the number of frames. Indicate the no of frames for which Belady's Anomaly is visible.