Operating Systems
Lab-9: Implementing Demand Paging

Due 11:55PM, Dec 1

In this lab, you will simulate demand paging using various page replacement algorithms.

The program is invoked with the following command line arguments

1. N, the number of frames for the given process
2. S, the size of the reference string
3. R, the reference string where references are separated with space
4. A, the replacement algorithm, FIFO, OPTIMAL or LRU.

Output should be the number of page faults.

Test Cases

Test case 1
Input: 3 6 1 3 0 3 5 6 FIFO
Output: 6

Test case 2
Input: 4 13 7 0 1 2 0 3 0 4 2 3 0 3 2 OPTIMAL
Output: 6

To Submit

You should submit source code (C/C++ file) for your program and readme.txt.
Place your files in a folder named as your complete roll number (capital case). Your C file should also be named as [your_roll_number].c. Zip the folder. The zip file should also be named as LabNo[your_roll_number].

Note: Zip the folder. Do not zip the files directly.

Upload the zip file.