

Programming Assignment 4

- Implement a program that performs the FIFO, LRU, and optimal page replacement algorithms
 - Input: 1 text file (given), called input.txt, where:
 - The first line is for selection of algorithms out of 3 algorithm and contains one of the following character: 'F', 'L', and 'O', representing FIFO, LRU, and Optimal, respectively.
 - The second line indicates the number of physical frames (i.e., capacity),
 - ▶ The third line indicates the number of references, and
 - The fourth line shows the string of memory (page) references.
 - Output: 1 text file (for you to create), called **output.txt**, where:
 - ▶ Each line shows the contents of physical frames, for each page reference.



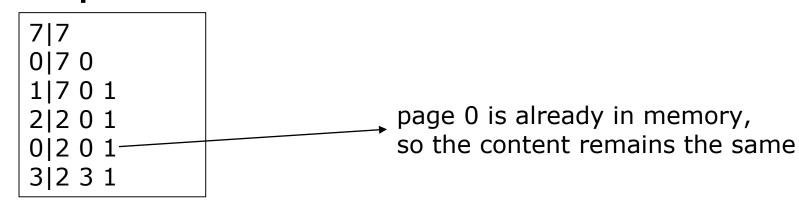


Programming Assignment 4 (Cont.)

- Example input and output
 - Input.txt

Says: FIFO algorithm, # free frames = 3, # references = 6, and the reference string = "7 0 1 2 0 3"

Output.txt







Submission

- Deadline: June 9, 2019, 23:59
- Upload your single source file and 0.5 page description to I-Class
 - Do not compress your files
 - Source file name: page.cpp or page.c
 - Description file name: readme.txt

