LAB-8

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Part 1

1) Features:
    - Implemented all the four algorithms according to the question.
    - Also calculated turnaround time and waiting time for all the algorithms.

How to run:

- Open terminal
- **gcc disk_scheduling_algo.c ;./a.out**
- Enter input as:
    - no. of cylinders and
    - followed by cylinder's request and
    - then enter the current head.

Part 2:

Using linked list Fat:

a)This file system is implemented using linked list file location method and implemented all the API's as following names:

• my_open => open()
• my_close => close()
• my_read => read()
• my_write => write()
• my_mkdir => mkdir()
• my_chdir => chdir()
• my_rmdir => rm_dir()
• my_copy => copy()

Each function will ask for its appropriate input .

How to run:

- Open terminal
- **g++ filesystem_custom.cpp;./a.out**

b)This File system is implemented using Inode and all the APIs are implemented successfully with following names:

• my_open => open()
• my_close => close()
• my_read => read()
• my_write => write()
• my_mkdir => mkdir()
• my_chdir => chdir()

• my_rmdir => rm_dir()
• my_copy => copy()

Each function will ask for its appropriate input .

How to run:

- Open terminal
- **g++ filesystem_index.cpp;./a.out**

Note: All the API’s are implemented ,just add them correctly in the main function.