

heroname@VILLAIN: ~/Desktop/school/351/proj 2/project 2 files

File Edit View Search Terminal Help

heroname@VILLAIN:~/Desktop/school/351/proj 2/project 2 files\$ ./mm

Memory size (KB): 2000

Page Size (1:100, 2:200, 3:400): 3

Name of workload file: in1.txt

t = 0: Process 1 arrives

Input Queue: [1]

Process 2 arrives

Input Queue: [1 2]

MM moves Process 1 to memory

Input Queue: [2]

Memory Map:

0-399: Free Frame

400-799: Free Frame

800-1199: Free Frame

1200-1599: Free Frame

1600-1999: Free Frame

MM moves Process 2 to memory

Input Queue: []

Memory Map:

0-399: Free Frame

400-799: Free Frame

800-1199: Free Frame

1200-1599: Free Frame

1600-1999: Free Frame

t = 100: Process 3 arrives

Input Queue: [3]

Process 4 arrives

Input Queue: [3 4]

MM moves Process 3 to memory

Input Queue: [4]

Memory Map:

0-399: Free Frame

400-799: Free Frame

800-1199: Free Frame

1200-1599: Free Frame

1600-1999: Free Frame

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MM moves Process 4 to memory

Input Queue: []

Memory Map:

0-399: Free Frame

400-799: Free Frame

800-1199: Free Frame

1200-1599: Free Frame

1600-1999: Free Frame

t = 200: Process 5 arrives

Input Queue: [5]

MM moves Process 5 to memory

Input Queue: []

Memory Map:

0-399: Free Frame

400-799: Free Frame

800-1199: Free Frame

1200-1599: Free Frame

1600-1999: Free Frame

t = 1000: Process 1 completes

Memory Map:

0-399: Free Frame

400-799: Free Frame

800-1199: Free Frame

1200-1599: Free Frame

1600-1999: Free Frame

Process 3 completes

Memory Map:

0-399: Free Frame

400-799: Free Frame

800-1199: Free Frame

1200-1599: Free Frame

1600-1999: Free Frame

Process 5 completes

Memory Map:

0-399: Free Frame

400-799: Free Frame

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            800-1199: Free Frame
            1200-1599: Free Frame
            1600-1999: Free Frame
t = 1200: Process 6 arrives
    Input Queue: [6]
    MM moves Process 6 to memory
    Input Queue: []
    Memory Map:
        0-399: Free Frame
        400-799: Free Frame
        800-1199: Free Frame
        1200-1599: Free Frame
        1600-1999: Free Frame
t = 1500: Process 7 arrives
    Input Queue: [7]
    MM moves Process 7 to memory
    Input Queue: []
    Memory Map:
        0-399: Free Frame
        400-799: Free Frame
        800-1199: Free Frame
        1200-1599: Free Frame
        1600-1999: Free Frame
t = 1600: Process 8 arrives
    Input Queue: [8]
    MM moves Process 8 to memory
    Input Queue: []
    Memory Map:
        0-399: Free Frame
        400-799: Free Frame
        800-1199: Free Frame
        1200-1599: Free Frame
        1600-1999: Free Frame
t = 2000: Process 2 completes
    Memory Map:
        0-399: Free Frame
```

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0-399: Free Frame  
400-799: Free Frame  
800-1199: Free Frame  
1200-1599: Free Frame  
1600-1999: Free Frame

Process 4 completes

Memory Map:

0-399: Free Frame  
400-799: Free Frame  
800-1199: Free Frame  
1200-1599: Free Frame  
1600-1999: Free Frame

Process 7 completes

Memory Map:

0-399: Free Frame  
400-799: Free Frame  
800-1199: Free Frame  
1200-1599: Free Frame  
1600-1999: Free Frame

t = 2100: Process 8 completes

Memory Map:

0-399: Free Frame  
400-799: Free Frame  
800-1199: Free Frame  
1200-1599: Free Frame  
1600-1999: Free Frame

t = 3000: Process 6 completes

Memory Map:

0-399: Free Frame  
400-799: Free Frame  
800-1199: Free Frame  
1200-1599: Free Frame  
1600-1999: Free Frame

Average Turn Around Time: 1175

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