File Edit View Search Terminal Help

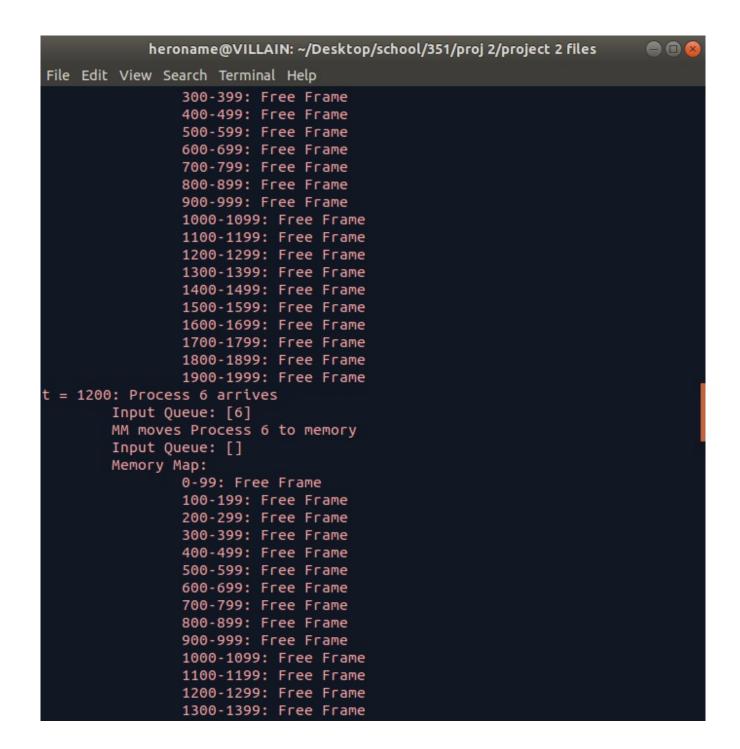
```
heroname@VILLAIN:~/Desktop/school/351/proj 2/project 2 files$ g++ -o mm Me
moryManager.cpp
heroname@VILLAIN:~/Desktop/school/351/proj 2/project 2 files$ ./mm
Memory size (KB): 2000
Page Size (1:100, 2;200, 3:400): 1
Name of workload file: in1.txt
t = 0: Process 1 arrives
        Input Queue: [1]
Process 2 arrives
        Input Queue: [1 2]
        MM moves Process 1 to memory
        Input Queue: [2]
        Memory Map:
                0-99: Free Frame
                100-199: Free Frame
                200-299: Free Frame
                300-399: Free Frame
                400-499: Free Frame
                500-599: Free Frame
                600-699: Free Frame
                700-799: Free Frame
                800-899: Free Frame
                900-999: Free Frame
                1000-1099: Free Frame
                1100-1199: Free Frame
                1200-1299: Free Frame
                1300-1399: Free Frame
                1400-1499: Free Frame
                1500-1599: Free Frame
                1600-1699: Free Frame
                1700-1799: Free Frame
                1800-1899: Free Frame
                1900-1999: Free Frame
        MM moves Process 2 to memory
        Input Queue: []
        Memory Map:
```

## heroname@VILLAIN: ~/Desktop/school/351/proj 2/project 2 files File Edit View Search Terminal Help 0-99: Free Frame 100-199: Free Frame 200-299: Free Frame 300-399: Free Frame 400-499: Free Frame 500-599: Free Frame 600-699: Free Frame 700-799: Free Frame 800-899: Free Frame 900-999: Free Frame 1000-1099: Free Frame 1100-1199: Free Frame 1200-1299: Free Frame 1300-1399: Free Frame 1400-1499: Free Frame 1500-1599: Free Frame 1600-1699: Free Frame 1700-1799: Free Frame 1800-1899: Free Frame 1900-1999: 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: 0-99: Free Frame 100-199: Free Frame 200-299: Free Frame 300-399: Free Frame 400-499: Free Frame 500-599: Free Frame 600-699: Free Frame 700-799: Free Frame 800-899: Free Frame

## heroname@VILLAIN: ~/Desktop/school/351/proj 2/project 2 files File Edit View Search Terminal Help 900-999: Free Frame 1000-1099: Free Frame 1100-1199: Free Frame 1200-1299: Free Frame 1300-1399: Free Frame 1400-1499: Free Frame 1500-1599: Free Frame 1600-1699: Free Frame 1700-1799: Free Frame 1800-1899: Free Frame 1900-1999: Free Frame MM moves Process 4 to memory Input Oueue: [] Memory Map: 0-99: Free Frame 100-199: Free Frame 200-299: Free Frame 300-399: Free Frame 400-499: Free Frame 500-599: Free Frame 600-699: Free Frame 700-799: Free Frame 800-899: Free Frame 900-999: Free Frame 1000-1099: Free Frame 1100-1199: Free Frame 1200-1299: Free Frame 1300-1399: Free Frame 1400-1499: Free Frame 1500-1599: Free Frame 1600-1699: Free Frame 1700-1799: Free Frame 1800-1899: Free Frame 1900-1999: Free Frame t = 200: Process 5 arrives Input Queue: [5]

## heroname@VILLAIN: ~/Desktop/school/351/proj 2/project 2 files File Edit View Search Terminal Help MM moves Process 5 to memory Input Queue: [] Memory Map: 0-99: Free Frame 100-199: Free Frame 200-299: Free Frame 300-399: Free Frame 400-499: Free Frame 500-599: Free Frame 600-699: Free Frame 700-799: Free Frame 800-899: Free Frame 900-999: Free Frame 1000-1099: Free Frame 1100-1199: Free Frame 1200-1299: Free Frame 1300-1399: Free Frame 1400-1499: Free Frame 1500-1599: Free Frame 1600-1699: Free Frame 1700-1799: Free Frame 1800-1899: Free Frame 1900-1999: Free Frame t = 1000: Process 1 completes Memory Map: 0-99: Free Frame 100-199: Free Frame 200-299: Free Frame 300-399: Free Frame 400-499: Free Frame 500-599: Free Frame 600-699: Free Frame 700-799: Free Frame 800-899: Free Frame 900-999: Free Frame 1000-1099: Free Frame

```
heroname@VILLAIN: ~/Desktop/school/351/proj 2/project 2 files
File Edit View Search Terminal Help
                1100-1199: Free Frame
                1200-1299: Free Frame
                1300-1399: Free Frame
                1400-1499: Free Frame
                1500-1599: Free Frame
                1600-1699: Free Frame
                1700-1799: Free Frame
                1800-1899: Free Frame
                1900-1999: Free Frame
Process 3 completes
        Memory Map:
                0-99: Free Frame
                100-199: Free Frame
                200-299: Free Frame
                300-399: Free Frame
                400-499: Free Frame
                500-599: Free Frame
                600-699: Free Frame
                700-799: Free Frame
                800-899: Free Frame
                900-999: Free Frame
                1000-1099: Free Frame
                1100-1199: Free Frame
                1200-1299: Free Frame
                1300-1399: Free Frame
                1400-1499: Free Frame
                1500-1599: Free Frame
                1600-1699: Free Frame
                1700-1799: Free Frame
                1800-1899: Free Frame
                1900-1999: Free Frame
Process 5 completes
        Memory Map:
                0-99: Free Frame
                100-199: Free Frame
                200-299: Free Frame
```



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heroname@VILLAIN: ~/Desktop/school/351/proj 2/project 2 files
                                                                       File Edit View Search Terminal Help
                1400-1499: Free Frame
                1500-1599: Free Frame
                1600-1699: Free Frame
                1700-1799: Free Frame
                1800-1899: Free Frame
                1900-1999: Free Frame
t = 1500: Process 7 arrives
        Input Queue: [7]
        MM moves Process 7 to memory
        Input Queue: []
        Memory Map:
                0-99: Free Frame
                100-199: Free Frame
                200-299: Free Frame
                300-399: Free Frame
                400-499: Free Frame
                500-599: Free Frame
                600-699: Free Frame
                700-799: Free Frame
                800-899: Free Frame
                900-999: Free Frame
                1000-1099: Free Frame
                1100-1199: Free Frame
                1200-1299: Free Frame
                1300-1399: Free Frame
                1400-1499: Free Frame
                1500-1599: Free Frame
                1600-1699: Free Frame
                1700-1799: Free Frame
                1800-1899: Free Frame
                1900-1999: Free Frame
t = 1600: Process 8 arrives
        Input Queue: [8]
        MM moves Process 8 to memory
        Input Queue: []
        Memory Map:
```

## heroname@VILLAIN: ~/Desktop/school/351/proj 2/project 2 files File Edit View Search Terminal Help 0-99: Free Frame 100-199: Free Frame 200-299: Free Frame 300-399: Free Frame 400-499: Free Frame 500-599: Free Frame 600-699: Free Frame 700-799: Free Frame 800-899: Free Frame 900-999: Free Frame 1000-1099: Free Frame 1100-1199: Free Frame 1200-1299: Free Frame 1300-1399: Free Frame 1400-1499: Free Frame 1500-1599: Free Frame 1600-1699: Free Frame 1700-1799: Free Frame 1800-1899: Free Frame 1900-1999: Free Frame t = 2000: Process 2 completes Memory Map: 0-99: Free Frame 100-199: Free Frame 200-299: Free Frame 300-399: Free Frame 400-499: Free Frame 500-599: Free Frame 600-699: Free Frame 700-799: Free Frame 800-899: Free Frame 900-999: Free Frame 1000-1099: Free Frame 1100-1199: Free Frame 1200-1299: Free Frame 1300-1399: Free Frame

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heroname@VILLAIN: ~/Desktop/school/351/proj 2/project 2 files
File Edit View Search Terminal Help
                1400-1499: Free Frame
                1500-1599: Free Frame
                1600-1699: Free Frame
                1700-1799: Free Frame
                1800-1899: Free Frame
                1900-1999: Free Frame
Process 4 completes
        Memory Map:
                0-99: Free Frame
                100-199: Free Frame
                200-299: Free Frame
                300-399: Free Frame
                400-499: Free Frame
                500-599: Free Frame
                600-699: Free Frame
                700-799: Free Frame
                800-899: Free Frame
                900-999: Free Frame
                1000-1099: Free Frame
                1100-1199: Free Frame
                1200-1299: Free Frame
                1300-1399: Free Frame
                1400-1499: Free Frame
                1500-1599: Free Frame
                1600-1699: Free Frame
                1700-1799: Free Frame
                1800-1899: Free Frame
                1900-1999: Free Frame
Process 7 completes
        Memory Map:
                0-99: Free Frame
                100-199: Free Frame
                200-299: Free Frame
                300-399: Free Frame
                400-499: Free Frame
                500-599: Free Frame
```

## heroname@VILLAIN: ~/Desktop/school/351/proj 2/project 2 files File Edit View Search Terminal Help 600-699: Free Frame 700-799: Free Frame 800-899: Free Frame 900-999: Free Frame 1000-1099: Free Frame 1100-1199: Free Frame 1200-1299: Free Frame 1300-1399: Free Frame 1400-1499: Free Frame 1500-1599: Free Frame 1600-1699: Free Frame 1700-1799: Free Frame 1800-1899: Free Frame 1900-1999: Free Frame t = 2100: Process 8 completes Memory Map: 0-99: Free Frame 100-199: Free Frame 200-299: Free Frame 300-399: Free Frame 400-499: Free Frame 500-599: Free Frame 600-699: Free Frame 700-799: Free Frame 800-899: Free Frame 900-999: Free Frame 1000-1099: Free Frame 1100-1199: Free Frame 1200-1299: Free Frame 1300-1399: Free Frame 1400-1499: Free Frame 1500-1599: Free Frame 1600-1699: Free Frame 1700-1799: Free Frame 1800-1899: Free Frame 1900-1999: Free Frame

# heroname@VILLAIN: ~/Desktop/school/351/proj 2/project 2 files File Edit View Search Terminal Help 900-999: Free Frame 1000-1099: Free Frame 1100-1199: Free Frame 1200-1299: Free Frame 1300-1399: Free Frame 1400-1499: Free Frame 1500-1599: Free Frame 1600-1699: Free Frame 1700-1799: Free Frame 1800-1899: Free Frame 1900-1999: Free Frame t = 3000: Process 6 completes Memory Map: 0-99: Free Frame 100-199: Free Frame 200-299: Free Frame 300-399: Free Frame 400-499: Free Frame 500-599: Free Frame 600-699: Free Frame 700-799: Free Frame 800-899: Free Frame 900-999: Free Frame 1000-1099: Free Frame 1100-1199: Free Frame 1200-1299: Free Frame 1300-1399: Free Frame 1400-1499: Free Frame 1500-1599: Free Frame 1600-1699: Free Frame 1700-1799: Free Frame 1800-1899: Free Frame 1900-1999: Free Frame Average Turn Around Time: 1175 heroname@VILLAIN:~/Desktop/school/351/proj 2/project 2 files\$