William Kendall CMSC 412 Demand Paging

Screen Shots of week 6:

FIFO

```
kei@localhost:~/Documents/School/CMSC412/DemandPaging/bin/Debug
                                                                                                        File Edit View Search Terminal Help
Selection: 1
Please enter a reference string:
17540147365047321
Press Enter...
Demand Paging simulation menu
0 - Exit
1 - Read reference string
2 - Generate reference string
3 - Display current reference string
4 - Simulate FIFO
5 - Simulate OPT
6 - Simulate LRU
7 - Simulate LFU
Selection: 4
Reference: 1 7 5 4 0 1 4 7 3 6 5 0 4 7 3 2 1
Page 0: 1 1 1 1 0 0 0 0 0 6 6 6 6 7 7 7 7
Page 1: 7 7 7 7 1 1 1 1 1 5 5 5 5 3 3 3
Page 2: 5 5 5 5 7 7 7 7 0 0 0 0 2 2
Page 3: 4 4 4 4 4 3 3 3 3 3 4 4 4 4 1
Page fault: 175401 7365047321
Victim frames:
                             17 5401736504
Press Enter...
```

OPT:

```
kei@localhost:~/Documents/School/CMSC412/DemandPaging/bin/Debug
File Edit View Search Terminal Help
                     4 4 4 4 4 3 3 3 3 4 4 4 4 1
Page 3:
               1 7 5 4 0 1 7 3 6 5 0 4 7 3 2 1
Page fault:
Victim frames:
                       17 5401736504
Press Enter...
Demand Paging simulation menu
0 - Exit
1 - Read reference string
2 - Generate reference string
3 - Display current reference string
4 - Simulate FIFO
5 - Simulate OPT
6 - Simulate LRU
7 - Simulate LFU
Selection: 5
             1 7 5 4 0 1 4 7 3 6 5 0 4 7 3 2 1
Reference:
               1 1 1 1 1 1 1 1 3 6 5 5 5 5 3 2 1
Page 0:
Page 1:
Page 2:
                   5 5 0 0 0 0 0 0 0 0 0 0 0 0
Page 3:
                     4 4 4 4 4 4 4 4 4 4 4 4 4
Page fault:
               1 7 5 4 0
                               3 6 5
                                           3 2 1
Victim frames:
                       5
                               1 3 6
                                           5 3 2
Press Enter...
```

LRU:

```
kei@localhost:~/Documents/School/CMSC412/DemandPaging/bin/Debug
                                                                                         ×
File Edit View Search Terminal Help
                      4 4 4 4 4 4 4 4 4 4 4 4 4
Page 3:
Page fault:
                1 7 5 4 0 3 6 5
                                             3 2 1
Victim frames:
                                 1 3 6
                                             5 3 2
Press Enter...
Demand Paging simulation menu
0 - Exit
1 - Read reference string
2 - Generate reference string
3 - Display current reference string
4 - Simulate FIFO
5 - Simulate OPT
6 - Simulate LRU
 - Simulate LFU
Selection: 6
Reference:
                1 7 5 4 0 1 4 7 3 6 5 0 4 7 3 2 1
Page 0:
                1 1 1 1 0 0 0 0 3 3 3 3 4 4 4 4 1
                  7 7 7 7 1 1 1 1 6 6 6 6 7 7 7 7 5 5 5 5 7 7 7 7 0 0 0 0 2 2
Page 1:
Page 2:
Page 3:
                     4 4 4 4 4 4 4 5 5 5 5 3 3 3
              175401 7365047321
Page fault:
Victim frames:
                        1 7
                               5 0 1 4 7 3 6 5 0 4
Press Enter...
```

LFU:

```
kei@localhost:~/Documents/School/CMSC412/DemandPaging/bin/Debug
File Edit View Search Terminal Help
                    4 4 4 4 4 4 4 5 5 5 5 3 3 3
Page 3:
Page fault: 175401 7365047321
Victim frames: 17 5014736504
Press Enter...
Demand Paging simulation menu
0 - Exit
1 - Read reference string
2 - Generate reference string
3 - Display current reference string
4 - Simulate FIFO
5 - Simulate OPT
6 - Simulate LRU
7 - Simulate LFU
Selection: 7
Reference: 1 7 5 4 0 1 4 7 3 6 5 0 4 7 3 2 1
Page 0: 1 1 1 1 0 1 1 1 1 1 1 0 0 0 3 2 1
Page 0:
Page 1:
              4 4 4 4 4 4 4 4 4 4 4 4 4 4
                                          3 2 1
                                          0 3 2
Press Enter...
```