William Kendall
CMSC 412
Demand Paging

Screen Shots of week 6:

FIFO

OPT:

```
                                    kei@localhost:~/Documents/School/CMSC412/DemandPaging/bin/Debug        _  □  ×

   File  Edit  View  Search  Terminal  Help
Page 3:                 4 4 4 4 4 3 3 3 3 4 4 4 4 1
Page fault:       1 7 5 4 0 1   7 3 6 5 0 4 7 3 2 1
Victim frames:        1 7   5 4 0 1 7 3 6 5 0 4
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
Reference:        1 7 5 4 0 1 4 7 3 6 5 0 4 7 3 2 1
Page 0:           1 1 1 1 1 1 1 1 3 6 5 5 5 5 3 2 1
Page 1:             7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7
Page 2:               5 5 0 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 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
Page 3:                 4 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...


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: 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
Page 1:             7 7 7 7 1 1 1 1 6 6 6 6 7 7 7 7
Page 2:               5 5 5 5 5 7 7 7 7 0 0 0 0 2 2
Page 3:                 4 4 4 4 4 4 5 5 5 5 3 3 3
Page fault:       1 7 5 4 0 1   7 3 6 5 0 4 7 3 2 1
Victim frames:        1 7   5 0 1 4 7 3 6 5 0 4
Press Enter...
```

LFU:

File   Edit   View   Search   Terminal   Help

```
Page 3:                4 4 4 4 4 4 4 5 5 5 5 3 3 3
Page fault:     1 7 5 4 0 1   7 3 6 5 0 4 7 3 2 1
Victim frames:        1 7   5 0 1 4 7 3 6 5 0 4
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 1:           7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7
Page 2:             5 5 5 5 5 3 6 5 5 5 5 5 5 5 5
Page 3:               4 4 4 4 4 4 4 4 4 4 4 4 4 4
Page fault:     1 7 5 4 0 1     3 6 5 0     3 2 1
Victim frames:        1 0     5 3 6 1     0 3 2
Press Enter...
```