network@network-HCL-Desktop:~/Documents/OSLAB$ gcc PRA.cpp

network@network-HCL-Desktop:~/Documents/OSLAB$ ./a.out

Page Replacement Algorithms

1.Enter data

2.FIFO

3.Optimal

4.LRU

5.Exit

Enter your choice:1

Enter length of page reference sequence:

21

Enter the page reference sequence:

0

1

3

6

2

1

2

5

0

6

3

0

1

4

6

5

4

3

2

1

0

Enter no of frames:3

Page Replacement Algorithms

1.Enter data

2.FIFO

3.Optimal

4.LRU

5.Exit

Enter your choice:2

For 0 : 0

For 1 : 0 1

For 3 : 0 1 3

For 6 : 1 3 6

For 2 : 3 6 2

For 1 : 6 2 1

For 2 :No page fault

For 5 : 2 1 5

For 0 : 1 5 0

For 6 : 5 0 6

For 3 : 0 6 3

For 0 :No page fault

For 1 : 6 3 1

For 4 : 3 1 4

For 6 : 1 4 6

For 5 : 4 6 5

For 4 :No page fault

For 3 : 6 5 3

For 2 : 5 3 2

For 1 : 3 2 1

For 0 : 2 1 0

Total no of page faults:18

Page Replacement Algorithms

1.Enter data

2.FIFO

3.Optimal

4.LRU

5.Exit

Enter your choice:3

For 0 : 0

For 1 : 0 1

For 3 : 0 1 3

For 6 : 0 1 6

For 2 : 0 1 2

For 1 :No page fault

For 2 :No page fault

For 5 : 0 1 5

For 0 :No page fault

For 6 : 0 1 6

For 3 : 0 1 3

For 0 :No page fault

For 1 :No page fault

For 4 : 4 1 3

For 6 : 4 6 3

For 5 : 4 5 3

For 4 :No page fault

For 3 :No page fault

For 2 : 2 5 3

For 1 : 1 5 3

For 0 : 0 5 3

Total no of page faults:14

Page Replacement Algorithms

1.Enter data

2.FIFO

3.Optimal

4.LRU

5.Exit

Enter your choice:4

For 0 : 0

For 1 : 0 1

For 3 : 0 1 3

For 6 : 6 1 3

For 2 : 6 2 3

For 1 : 6 2 1

For 2 :No page fault!

For 5 : 5 2 1

For 0 : 5 2 0

For 6 : 5 6 0

For 3 : 3 6 0

For 0 :No page fault!

For 1 : 3 1 0

For 4 : 4 1 0

For 6 : 4 1 6

For 5 : 4 5 6

For 4 :No page fault!

For 3 : 4 5 3

For 2 : 4 2 3

For 1 : 1 2 3

For 0 : 1 2 0

Total no of page faults:18

Page Replacement Algorithms

1.Enter data

2.FIFO

3.Optimal

4.LRU

5.Exit

Enter your choice:5