

## FIFO

to compile;

```
$g++ fifo.cpp -o fifo
```

In terminal window run fifo as for examples are (1 to 5 frame size 10, 6 to 10 frame size 20)

Frame Count: 10

```
./fifo referenceString1.txt Total Page Faults: 12
```

```
./fifo referenceString2.txt Total Page Faults: 8
```

```
./fifo referenceString3.txt Total Page Faults: 13
```

```
./fifo referenceString4.txt Total Page Faults: 10
```

```
./fifo referenceString5.txt Total Page Faults: 8
```

Frame Count: 20

```
./fifo referenceString6.txt Total Page Faults: 23
```

```
./fifo referenceString7.txt Total Page Faults: 22
```

```
./fifo referenceString8.txt Total Page Faults: 30
```

```
./fifo referenceString9.txt Total Page Faults: 30
```

```
./fifo referenceString10.txt Total Page Faults: 23
```

## Optimal

to compile;

```
$g++ optimal.cpp -o optimal
```

In terminal window run optimal as for examples are

Frame Count: 10

```
./optimal referenceString1.txt Total Page Faults: 11
```

```
./optimal referenceString2.txt Total Page Faults: 8
```

```
./optimal referenceString3.txt Total Page Faults: 11
```

```
./optimal referenceString4.txt Total Page Faults: 10
```

```
./optimal referenceString5.txt Total Page Faults: 8
```

Frame Count: 20

```
./optimal referenceString6.txt Total Page Faults: 21
```

```
./optimal referenceString7.txt Total Page Faults: 21
```

```
./optimal referenceString8.txt Total Page Faults: 23
```

```
./optimal referenceString9.txt Total Page Faults: 22
```

```
./optimal referenceString10.txt Total Page Faults: 22
```

## LRU

to compile;

```
$g++ lru.cpp -o lru
```

In terminal window run lru as for examples are  
Frame Count:10

```
./lru referenceString1.txt Total Page Faults: 13
./lru referenceString2.txt Total Page Faults: 8
./lru referenceString3.txt Total Page Faults: 11
./lru referenceString4.txt Total Page Faults: 10
./lru referenceString5.txt Total Page Faults: 8
```

Frame Count: 20

```
./lru referenceString6.txt Total Page Faults: 21
./lru referenceString7.txt Total Page Faults: 22
./lru referenceString8.txt Total Page Faults: 27
./lru referenceString9.txt Total Page Faults: 23
./lru referenceString10.txt Total Page Faults: 24
```

LFU

to compile;

```
$g++ lfu.cpp -o lfu
```

In terminal window run lfu as for examples are  
Frame Count:10

```
./lfu referenceString1.txt Total Page Faults: 13
./lfu referenceString2.txt Total Page Faults: 8
./lfu referenceString3.txt Total Page Faults: 11
./lfu referenceString4.txt Total Page Faults: 12
./lfu referenceString5.txt Total Page Faults: 8
```

Frame Count:20

```
./lfu referenceString6.txt Total Page Faults: 21
./lfu referenceString7.txt Total Page Faults: 22
./lfu referenceString8.txt Total Page Faults: 27
./lfu referenceString9.txt Total Page Faults: 23
./lfu referenceString10.txt Total Page Faults: 24
```

MFU

to compile;

```
$g++ mfu.cpp -o mfu
```

In terminal window run mfu as for examples are  
Frame Count:10

```
./mfu referenceString1.txt Total Page Faults: 11
./mfu referenceString2.txt Total Page Faults: 8
./mfu referenceString3.txt Total Page Faults: 12
./mfu referenceString4.txt Total Page Faults: 12
./mfu referenceString5.txt Total Page Faults: 8
```

Frame Count:20

```
./mfu referenceString6.txt Total Page Faults: 23
./mfu referenceString7.txt Total Page Faults: 23
./mfu referenceString8.txt Total Page Faults: 32
./mfu referenceString9.txt Total Page Faults: 26
./mfu referenceString10.txt Total Page Faults: 24
```