```
Shubham@LAPTOP-LVTG3P7T MINGW64 /d/College-Stuff-5th-Sem/LP-1/A03 (main)
$ g++ OptimalPageReplacement.cpp -o a.exe

Shubham@LAPTOP-LVTG3P7T MINGW64 /d/College-Stuff-5th-Sem/LP-1/A03 (main)
$ ./a.exe
Page fault case: 7 -1 -1
Page fault case: 7 0 -1
Page fault case: 7 0 1
Page fault case: 2 0 1
2 0 1
Page fault case: 2 0 3
2 0 3
Page fault case: 2 4 3
2 4 3
2 4 3
Page fault case: 2 0 3
2 0 3
2 0 3
Page fault case: 2 0 1
2 0 1
2 0 1
2 0 1
Page fault case: 7 0 1
7 0 1
7 0 1
Number of page faults: 9
Number of page hits: 11

Shubham@LAPTOP-LVTG3P7T MINGW64 /d/College-Stuff-5th-Sem/LP-1/A03 (main)
```

```
Shubham@LAPTOP-LVTG3P7T MINGW64 /d/College-Stuff-5th-Sem/LP-1/A03 (main)
$ g++ LRUPageReplacement.cpp -o a.exe

Shubham@LAPTOP-LVTG3P7T MINGW64 /d/College-Stuff-5th-Sem/LP-1/A03 (main)
$ ./a.exe
Page fault case: 7 -1 -1
Page fault case: 0 7 -1
Page fault case: 1 0 7
Page fault case: 2 1 0
0 2 1
Page fault case: 3 0 2
0 3 2
Page fault case: 4 0 3
Page fault case: 2 4 0
Page fault case: 3 2 4
Page fault case: 0 3 2
3 0 2
2 3 0
Page fault case: 1 2 3
2 1 3
Page fault case: 0 2 1
1 0 2
Page fault case: 7 1 0
0 7 1
1 0 7
Number of page faults: 12
Number of page hits: 8
```

```
Shubham@LAPTOP-LVTG3P7T MINGW64 /d/College-Stuff-5th-Sem/LP-1/A03 (main)
$ g++ FIFOPageReplacement.cpp -o a.exe

Shubham@LAPTOP-LVTG3P7T MINGW64 /d/College-Stuff-5th-Sem/LP-1/A03 (main)
$ ./a.exe
Process Name: 7 -----> Page fault case: 7 -1 -1
Process Name: 0 -----> Page fault case: 7 0 -1
Process Name: 1 -----> Page fault case: 7 0 1
Process Name: 2 -----> Page fault case: 2 0 1
Process Name: 0 -----> 2 0 1
Process Name: 3 -----> Page fault case: 2 3 1
Process Name: 0 -----> Page fault case: 2 3 0
Process Name: 4 -----> Page fault case: 4 3 0
Process Name: 2 -----> Page fault case: 4 2 0
Process Name: 3 -----> Page fault case: 4 2 3
Process Name: 0 -----> Page fault case: 0 2 3
Process Name: 3 -----> 0 2 3
Process Name: 2 -----> 0 2 3
Process Name: 1 -----> Page fault case: 0 1 3
Process Name: 2 -----> Page fault case: 0 1 2
Process Name: 0 -----> 0 1 2
Process Name: 1 -----> 0 1 2
Process Name: 7 -----> Page fault case: 7 1 2
Process Name: 0 -----> Page fault case: 7 0 2
Process Name: 1 -----> Page fault case: 7 0 1
Number of page faults: 15
Number of page hits: 5
```