

# OS Term Project #4 Report

## - Page Replacement Algorithm Simulator -

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LRU, Optimal Algorithm를 나타내는 프로그램은 C++로 작성하였다.

### 1. 전제 조건

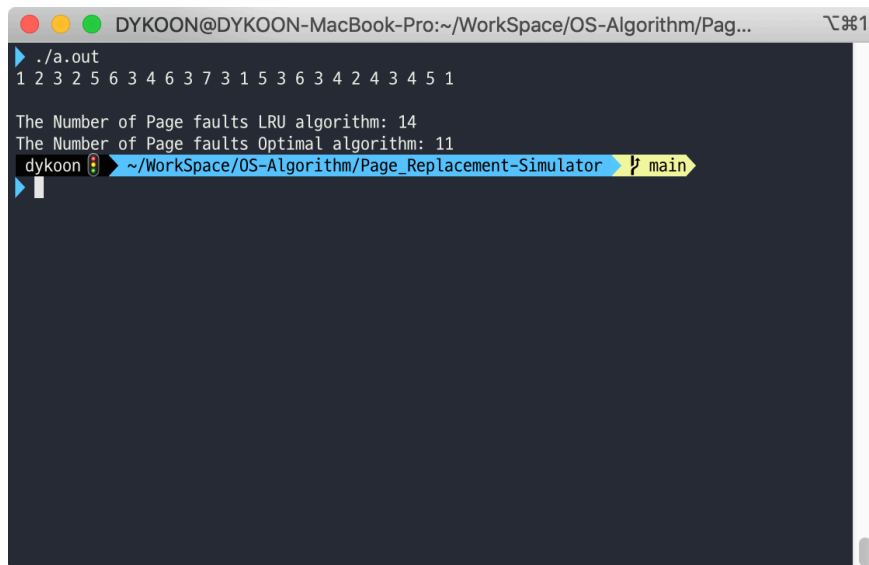
Page Reference String: int page[24] = {1, 2, 3, 2, 5, 6, 3, 4, 6, 3, 7, 3, 1, 5, 3, 6, 3, 4, 2, 4, 3, 4, 5, 1};  
frame Number: 4개

### 2. 결과 값

The number of page faults LRU Replacement -> 14개

The number of page faults Optimal Replacement -> 11개

### 3. 프로그램 동작 과정



```
DYKOON@DYKOON-MacBook-Pro:~/Workspace/OS-Algorithm/Pag... ㄸ1
./a.out
1 2 3 2 5 6 3 4 6 3 7 3 1 5 3 6 3 4 2 4 3 4 5 1
The Number of Page faults LRU algorithm: 14
The Number of Page faults Optimal algorithm: 11
dykoon ~/Workspace/OS-Algorithm/Page_Replacement-Simulator ㄸ main
```