

How I Solved the Problem

I used twenty page to emulate the hard disk in os and three page holders to emulate memory.

I created a new array list and implemented get set using my page replacement algorithm. If my get or set functions cant find the index they are looking for my program make a page replacement with given algorithm.

Page Structure:

Page structure has 5 empty place to hold, ref bit and page number.

```
struct page{
    int index[5];
    bool ref;
    int loaded;
    int val[5];
    int page_num;
    bool active;
};
```

Sorting:

```
emreoztrk@Yunuss-Air CSE312-HW2 % ./hw2
0
1
2
3
4
5
6
7
8
9
```