**FCFS**

#include <stdio.h>  
  
int main() {  
    int pageFaults = 0;  
    int frames = 3;  
    int m, n, s, pages;  
  
    printf("Enter the number of pages in the incoming stream: ");  
    scanf("%d", &pages);  
  
    int incomingStream[pages];  
  
    printf("Enter the page reference string:\n");  
    for (m = 0; m < pages; m++) {  
        scanf("%d", &incomingStream[m]);  
    }  
  
    printf("Incoming \t Frame 1 \t Frame 2 \t Frame 3");  
    int temp[frames];  
    for (m = 0; m < frames; m++) {  
        temp[m] = -1;  
    }  
  
    for (m = 0; m < pages; m++) {  
        s = 0;  
  
        for (n = 0; n < frames; n++) {  
            if (incomingStream[m] == temp[n]) {  
                s++;  
                pageFaults--;  
            }  
        }  
        pageFaults++;  
  
        if ((pageFaults <= frames) && (s == 0)) {  
            temp[m] = incomingStream[m];  
        } else if (s == 0) {  
            temp[(pageFaults - 1) % frames] = incomingStream[m];  
        }  
  
        printf("\n");  
        printf("%d\t\t\t", incomingStream[m]);  
        for (n = 0; n < frames; n++) {  
            if (temp[n] != -1)  
                printf(" %d\t\t\t", temp[n]);  
            else  
                printf(" - \t\t\t");  
        }  
    }  
  
    printf("\nTotal Page Faults:\t%d\n", pageFaults);  
    return 0;  
}  
  
/\*OUTPUT:  
comp67@comp67:~$ cd Desktop  
comp67@comp67:~/Desktop$ cd ishaa  
comp67@comp67:~/Desktop/ishaa$ gcc FCFS.c  
comp67@comp67:~/Desktop/ishaa$ ./a.out  
Enter the number of pages in the incoming stream: 4 1 2 4 5  
Enter the page reference string:  
Incoming Frame 1 Frame 2 Frame 3  
1 1 - -  
2 1 2 -  
4 1 2 4  
5 5 2 4  
Total Page Faults: 4  
\*/