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#include<stdio.h>
#include<math.h>

int fcfs(int request[],int n, int head)
{
    int i,d,cnt=0;

    for(i=0;i<n;i++)
    {
        d = abs(head - request[i]);

        cnt += d;

        head = request[i];
    }
    return cnt;
}

int main()
{
    int i,n,request[100],head,seek_cnt;

    printf("\nEnter number of disk blocks:");
    scanf("%d",&n);

    printf("\nEnter disk request string:");
    for(i=0;i<n;i++)
        scanf("%d",&request[i]);

    printf("\nEnter current head position:");
    scanf("%d",&head);

    printf("\nSeek Sequence in FCFS would be the same as requested array");
    printf("%d ",head);
    for(i=0;i<n;i++)
        printf("%d ",request[i]);

    seek_cnt = fcfs(request,n,head);

    printf("\nTotal number of head movement : %d",seek_cnt);

    return 0;
}

```