```c
/* first come first served disk scheduling */

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

void main() {
    int i,n,req[50],mov = 0,cp;
    printf("\n\t\tFIRST COME FIRST SERVE DISK SCHEDULING");
    printf("\n\t\t-------------------------------------\n");
    printf("\n  Enter current position of head: ");
    scanf("%d",&cp);
    printf("\n  Enter number of requests: ");
    scanf("%d",&n);
    printf("\n  Enter requests: ");
    for(i = 0;i < n;i++) scanf("%d",&req[i]);
    mov = mov + abs(cp - req[0]); /* abs is used to calculate
the absolute value */
    printf("   %d -> %d",cp,req[0]);
    for(i = 1;i < n;i++) {
        mov=mov+abs(req[i] - req[i-1]);
        printf(" -> %d",req[i]); }
    printf("\n"); printf("\n  Total head movement = %d",mov);
    printf("\n\n");
}
```