//fcfs disc scheduling algorithm

#include <stdio.h>

#include <stdlib.h>

int main(){

int request[100],i,n,TotalHeadMoment=0,initial;

printf("Enter the number of Requests\n");

scanf("%d", &n);

printf("Enter the Requests sequence\n");

for (i=0;i<n;i++)

scanf("%d",&request[i]);

printf("Enter initial head position\n");

scanf("%d", &initial);

for (i=0;i<n;i++){

TotalHeadMoment=TotalHeadMoment+abs(request[i]-initial);

initial=request[i];

}

printf("Total head moment is %d \n", TotalHeadMoment);

return 0;

}

Output:

