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OSEXPERIMENT-12

PRORAM:-

```
#include<stdio.h>
#include<stdlib.h>
intmain()
{
intRQ[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",&RQ[i]);
printf("Enter initial head position\n");scanf("%d",&initial);
// logic for FCFS disk schedulingfor(i=0;i<n;i++)
{
TotalHeadMoment=TotalHeadMoment+abs(RQ[i]-initial);initial=RQ[i];
}
printf("Totalheadmomentis%d",TotalHeadMoment);return0;
}OUTPUT
:-
```

```
apsit@apsit-HP-280-G3-MT:~$ gcc exp12.c
apsit@apsit-HP-280-G3-MT:~$ ./a.out
Enter the number of Requests
8
Enter the Requests sequence
95 180 34 119 11 123 62 64
Enter initial head position
50
Total head moment is 644apsit@apsit-HP-280-G3-MT:~$
```