

C:\Users\sruith\OneDrive\Documents\Untitled1h.cpp - [Executing] - Dev-C++ 5.11

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(globals) TDM-GCC 4.9.2 64-bit Release

Project Classes Debug

Untitled1h.cpp

```
1 #include<stdio.h>
2 #include<stdlib.h>
3 int main()
4 {
5     int RQ[100],i,n,TotalHeadMoment=0,initial;
6     printf("Enter the number of Requests\n");
7     scanf("%d",&n);
8     printf("Enter the Requests sequence\n");
9     for(i=0;i<n;i++)
10     {
11         scanf("%d",&RQ[i]);
12         printf("Enter initial head position\n");
13         scanf("%d",&initial);
14
15         // Logic for FCFS disk scheduling
16
17         for(i=0;i<n;i++)
18         {
19             TotalHeadMoment=TotalHeadMoment+abs(RQ[i]-initial);
20             initial=RQ[i];
21         }
22         printf("Total head moment is %d",TotalHeadMoment);
23         return 0;
24     }
25 }
```


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C:\Users\sruthi\OneDrive\Documents\Untitled1h.exe

Project

Enter the number of Requests

7
Enter the Requests sequence

1000 2000

3000

4000

5000

6000

7000

Enter initial head position

1050

Total head moment is 6050

Process exited after 76.66 seconds with return value 0

Press any key to continue . . .

20 }

21

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

23 return 0;