

```
C:\Users\snuthi\OneDrive\Documents\Untitled1h.cpp - [Executing] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
(globals)
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         scanf("%d",&RQ[i]);
11     printf("Enter initial head position\n");
12     scanf("%d",&initial);
13     // Logic for FCFS disk scheduling
14
15
16     for(i=0;i<n;i++)
17     {
18         TotalHeadMoment=TotalHeadMoment+abs(RQ[i]-initial);
19         initial=RQ[i];
20     }
21
22     printf("Total head moment is %d",TotalHeadMoment);
23     return 0;
24 }
25 |
```

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C:\Users\sruthi\OneDrive\Documents\Untitled1.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;
```