

main.c



Run

Output

Clear

```
1 #include <stdio.h>
2 #include <stdlib.h>
3
4 void scan_disk_scheduling(int requests[], int n,
    int start, int disk_size, char direction) {
5     int total_seek_time = 0;
6     int current_position = start;
7
8     // Sort the requests to process in order
9     int left[n], right[n], left_count = 0,
        right_count = 0;
10
11     // Separate requests into left and right of
        the current position
12 for (int i = 0; i < n; i++) {
13     if (requests[i] < current_position) {
14         left[left_count++] = requests[i];
15     } else {
```

Total Seek Time: 236

main.c

```
1 #include <stdio.h>
2 #include <stdlib.h>
3
4 void fcfs_disk_scheduling(int requests[], int n,
    int start) {
5     int total_seek_time = 0;
6     int current_position = start;
7
8     printf("Disk Scheduling Order: ");
9
10    for (int i = 0; i < n; i++) {
11        int seek_time = abs(current_position -
            requests[i]);
12        total_seek_time += seek_time;
13        current_position = requests[i];
14        printf("%d ", requests[i]);
15    }
16
```

Output

Clear

Disk Scheduling Order: 98 183 37 122 14 124 65 67  
Total Seek Time: 236