Programiz C Online Compiler

main.c

Share Run

```c
#include <stdio.h>
void cscan(int arr[], int size, int head, int disk_size) {
    int seek_sequence[size + 1], index = 0, distance, total_seek = 0;
    for (int i = 0; i < size - 1; i++)
        for (int j = 0; j < size - i - 1; j++)
            if (arr[j] > arr[j + 1]) {
                int temp = arr[j];
                arr[j] = arr[j + 1];
                arr[j + 1] = temp;
            }
    for (int i = 0; i < size; i++) {
        if (arr[i] >= head) {
            seek_sequence[index++] = arr[i];
            distance = arr[i] - head;
            total_seek += distance;
            head = arr[i];
        }
    }
    total_seek += (disk_size - head);
    head = 0;
    seek_sequence[index++] = head;
    for (int i = 0; i < size; i++) {
        if (arr[i] < head) {
            seek_sequence[index++] = arr[i];
            distance = arr[i] - head;
```

Output

```
Total Seek Time: 150
Seek Sequence: 60 79 92 114 176 0

=== Code Execution Successful ===
```

Programiz C Online Compiler

main.c

Share Run

```c
#include <stdio.h>
#include <stdlib.h>
void fcfs(int requests[], int n, int start) {
    int total_head_movement = 0, current_position = start;
    for (int i = 0; i < n; i++) {
        total_head_movement += abs(current_position - requests[i]);
        current_position = requests[i];
    }
    printf("Total head movement: %d\n", total_head_movement);
}
int main() {
    int requests[] = {176, 79, 34, 60, 92, 11, 41, 114};
    int n = sizeof(requests) / sizeof(requests[0]);
    int start = 50;
    fcfs(requests, n, start);
    return 0;
}

```

Output

```
Total head movement: 510


=== Code Execution Successful ===
```