```
∝ Share
                                                                                                                                                                 Total Seek Time: 150
                                                                                                                                                                 Seek Sequence: 50 60 92 98 114 0
#include<stdlib.h>
void cscan(int arr[], int size, int head, int total_cylinders) {
     int seek_sequence[size + 2], index = 0, distance, seek_count = 0;
     // Sort the request array
for (int i = 0; i < size - 1; i++)</pre>
          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;
     // Service requests in one direction
for (int i = 0; i < size; i++) {</pre>
          if (arr[i] >= head) {
    seek_sequence[index++] = head;
               seek_count += abs(arr[i] - head);
               head = arr[i];
     seek_count += abs(head - total_cylinders);
     head = 0;
     seek_sequence[index++] = head;
     // Service remaining requests
for (int i = 0; i < size; i++) {
   if (arr[i] < head) {</pre>
               seek_sequence[index++] = head;
               seek_count += abs(arr[i] - head);
               head = arr[i];
     printf("Total Seek Time: %d\n", seek_count);
     printf("Seek Sequence: ");
for (int i = 0; i < index; i++)
    printf("%d ", seek_sequence[i]);</pre>
int main() {
     int requests[] = { 98, 180, 34, 60, 92, 11, 41, 114 };
int size = sizeof(requests) / sizeof(requests[0]);
int head = 50, total_cylinders = 200;
     cscan(requests, size, head, total_cylinders);
```

```
main.c
                                        -<u>;</u>o-
                                              ∝ Share
                                                            Run
                                                                      Output
   #include <stdio.h>
                                                                     Owner: ---
   #include <sys/stat.h>
                                                                     Group: ---
                                                                     Others: ---
4 void print_permissions(mode_t mode) {
5
       printf("Owner: %c%c%c\n",
6
               (mode & S_IRUSR) ? 'r' : '-',
               (mode & S_IWUSR) ? 'w' : '-',
8
               (mode & S_IXUSR) ? 'x' : '-');
9
       printf("Group: %c%c%c\n",
10
               (mode & S_IRGRP) ? 'r' : '-',
               (mode & S_IWGRP) ? 'w' : '-',
               (mode & S_IXGRP) ? 'x' : '-');
        printf("Others: %c%c%c\n",
               (mode & S_IROTH) ? 'r' : '-',
               (mode & S_IWOTH) ? 'w' : '-',
16
               (mode & S_IXOTH) ? 'x' : '-');
18
19 int main() {
20
        struct stat fileStat;
21
        stat("example.txt", &fileStat);
22
        print_permissions(fileStat.st_mode);
23
        return 0;
24 }
```