Output:

1. FCFS:

```
Enter the max range of disk
200
Enter the size of queue request
7
Enter the queue of disk positions to be read
82 170 43 140 24 16 190
Enter the initial head position
50
Disk head moves from 50 to 82 with seek
        32
Disk head moves from 82 to 170 with seek
        88
Disk head moves from 170 to 43 with seek
        127
Disk head moves from 43 to 140 with seek
        97
Disk head moves from 140 to 24 with seek
        116
Disk head moves from 24 to 16 with seek
        8
Disk head moves from 16 to 190 with seek
        174
Total seek time is 642
Average seek time is 91.714287
```

2. SCAN:

```
Enter the number of Requests
7
Enter the Requests sequence
80 170 43 140 24 16 190
Enter initial head position
50
Enter total disk size
200
Enter the head movement direction for high 1 and for low 0
1
Total head movement is 332
Process returned 0 (0x0)   execution time : 24.584 s
Press any key to continue.
```

3. C-SCAN:

```
Enter the number of Requests
7
Enter the Requests sequence
82 170 43 140 24 16 190
Enter initial head position
50
Enter total disk size
200
Enter the head movement direction for high 1 and for low 0
1
Total head movement is 391
Process returned 0 (0x0)   execution time : 61.194 s
Press any key to continue.
```

4. LOOK:

```
Enter the number of Requests
7
Enter the Requests sequence
82 170 43 140 24 16 190
Enter initial head position
50
Enter total disk size
200
Enter the head movement direction for high 1 and for low 0
1
Total head movement is 314
Process returned 0 (0x0)   execution time : 18.306 s
Press any key to continue.
```

5. C-LOOK:

```
Enter the number of Requests
7
Enter the Requests sequence
82 170 43 140 24 16 190
Enter initial head position
50
Enter total disk size
199
Enter the head movement direction for high 1 and for low 0
1
Total head movement is 341
Process returned 0 (0x0)   execution time : 47.088 s
Press any key to continue.
```

Conclusion:

Hence, the objectives of the lab were successfully implemented.