Ricardo Baeza | Program Results

Task 1

```
Enter a page size:
2

Enter a virtual address:
10500
The address 10500 contains: page number = 5, offset = 260.
```

Task 2
FCFS

```
Please enter default .txt file: 'src/queue.txt' or enter own .txt (l
src/test.txt

Please enter .txt file again: 'src/queue.txt' or own .txt
src/test.txt

queue: 2069 1212 2296 2800 544 1618 356 1523 4965 3681
Please enter a Initial Disk Head:
2150

Disk Head = 2150
Please select a sorting algorithm: (1)FCFS (2)SSTF (3)SCAN (4)CSCAN
1

head movements: 13011
directions changed: 6
```

SSKTF

```
Please enter .txt file again: 'src/queue.txt' or own .txt
src/test.txt

queue: 2069 1212 2296 2800 544 1618 356 1523 4965 3681
Please enter a Initial Disk Head:
2150

Disk Head = 2150
Please select a sorting algorithm: (1)FCFS (2)SSTF (3)SCAN (4)CSCAN
2

SSTF Disk Algorithm
head movements: 7586
directions changed: 2
```

SCAN

```
Please enter default .txt file: 'src/queue.txt' or enter own .txt (l
src/test.txt

Please enter .txt file again: 'src/queue.txt' or own .txt
src/test.txt

queue: 2069 1212 2296 2800 544 1618 356 1523 4965 3681
Please enter a Initial Disk Head:
2150

Disk Head = 2150
Please select a sorting algorithm: (1)FCFS (2)SSTF (3)SCAN (4)CSCAN
3

SCAN Disk Algorithm
Please enter the previous head's position:
1805

Previous Head: 1805
head movements: 7492
directions changed: 1
```

CSCAN

```
Please choose an option: (1)Automatic Genration (2)Input .txt File
2

Please enter default .txt file: 'src/queue.txt' or enter own .txt (lo
src/test.txt

Please enter .txt file again: 'src/queue.txt' or own .txt
src/test.txt

queue: 2069 1212 2296 2800 544 1618 356 1523 4965 3681
Please enter a Initial Disk Head:
2150

Disk Head = 2150
Please select a sorting algorithm: (1)FCFS (2)SSTF (3)SCAN (4)CSCAN
4

CSCAN Disk Algorithm
Please enter the previous head's position:
1805
Previous Head: 1805
head movements: 9917
directions changed: 2
```

Task 3

```
Enter a logical block number:
1041

Enter HD number of cylinders:
1000

Enter HD number of tracks:
20

Enter HD number of sectors:
63
Logical block #: 1041
# of cylinders: 1000
# of tracks: 20
# of sectors: 63
The logical block number 1041 is located at <0,16,33>
```