Q3 Scheduling Algorithms

Task

Implement scheduling algorithms.

Features

1. Reads the processes from an input txt file, `processes.txt`
2. Runs all 5 algorithms in the main function
3. Generates a graph automatically that gives average waiting time and turnaround time.

Run instructions

```
bash run.sh
```

> Note: `run.sh` must be executed from this folder.

Creates `stats.png` containing graph of each algorithm's average waiting time and turnaround times.

Outputs

```
[balli@Apples-MacBook-Air.local:/Users/balli/Coding/OS-assignment/3_proc_scheduling  git:(d44dd4b*) $ bash run.sh
FCFS
Waiting time
0 1 2 5 12

FCFS
Turnaround time
1 3 6 13 17

Priority
Waiting time
0 2 2 5 12

Priority
Turnaround time
2 3 6 13 17

Round Robin
Waiting time
0 2 6 8 12

Round Robin
Turnaround time
2 3 10 16 17

SJF Nonpreemtive
Waiting time
0 1 2 2 12

SJF NonPreemtive
Turnaround time
1 3 6 10 17

SJF Preemptive
Waiting time
0 1 2 2 12

SJF Preemptive
Turnaround time
1 3 6 10 17
```