

PROJECT 3

First Run

run:

=>Jobs (Ordered by Arrival Time)

```
=>Job{ID=5, arrivalTime=1.0, burstTime=4.0, priority=1}
=>Job{ID=9, arrivalTime=2.0, burstTime=10.0, priority=10}
=>Job{ID=1, arrivalTime=4.0, burstTime=5.0, priority=9}
=>Job{ID=4, arrivalTime=5.0, burstTime=9.0, priority=10}
=>Job{ID=0, arrivalTime=6.0, burstTime=3.0, priority=10}
=>Job{ID=6, arrivalTime=7.0, burstTime=17.0, priority=8}
=>Job{ID=7, arrivalTime=7.0, burstTime=16.0, priority=8}
=>Job{ID=8, arrivalTime=7.0, burstTime=12.0, priority=6}
=>Job{ID=2, arrivalTime=9.0, burstTime=19.0, priority=6}
=>Job{ID=3, arrivalTime=9.0, burstTime=15.0, priority=10}
```

=> First Come, First Serve Scheduling

```
=>Average wait Time = 33.2
=>Average Turn-Around Time = 44.2
```

=> Shortest Job First Scheduling

```
=>Average wait Time = 32.4
=>Average Turn-Around Time = 43.4
```

=> Shortest Remaining Time First Scheduling

```
=>Average wait Time = 28.9
=>Average Turn-Around Time = 39.9
```

=> Priority CPU Scheduling

```
=>Average wait Time = 45.2
=>Average Turn-Around Time = 56.2
```

=> Round Robin

```
=>Average wait Time = 31.3
=>Average Turn-Around Time = 42.3
```

BUILD SUCCESSFUL (total time: 0 seconds)

Second Run

run:

=>Jobs (Ordered by Arrival Time)

```
=>Job{ID=4, arrivalTime=0.0, burstTime=5.0, priority=9}  
=>Job{ID=5, arrivalTime=0.0, burstTime=2.0, priority=2}  
=>Job{ID=0, arrivalTime=3.0, burstTime=19.0, priority=7}  
=>Job{ID=1, arrivalTime=3.0, burstTime=15.0, priority=3}  
=>Job{ID=9, arrivalTime=4.0, burstTime=4.0, priority=1}  
=>Job{ID=2, arrivalTime=6.0, burstTime=20.0, priority=4}  
=>Job{ID=3, arrivalTime=7.0, burstTime=18.0, priority=9}  
=>Job{ID=6, arrivalTime=8.0, burstTime=17.0, priority=7}  
=>Job{ID=8, arrivalTime=8.0, burstTime=1.0, priority=5}  
=>Job{ID=7, arrivalTime=9.0, burstTime=8.0, priority=7}
```

=> First Come, First Serve Schedueling

=>Average wait Time = 42.5

=>Average Turn-Around Time = 53.4

=> Shortest Job First Schedueling

=>Average wait Time = 33.7

=>Average Turn-Around Time = 44.6

=> Shortest Remaining Time First Schedueling

=>Average wait Time = 23.6

=>Average Turn-Around Time = 34.5

=> Priority CPU Scheduleing

=>Average wait Time = 32.3

=>Average Turn-Around Time = 43.2

=> Round Robin

=>Average wait Time = 32.6

=>Average Turn-Around Time = 43.5

BUILD SUCCESSFUL (total time: 0 seconds)