Team Meatball  
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CS 149 – 02  
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**Assignment #2: Report**

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| --- | --- | --- | --- | --- | --- |
|  | | **Average Turn Around Time** | **Average Wait Time** | **Average Response Time** | **Average Throughput** |
| **FCFS** | | 19.516472 | 14.334636 | 14.334636 | 17.475729 |
| **RR** | | 40.49018 | 34.95706 | 0.84167665 | 16.56051 |
| **SJF** | | 10.555662 | 5.8876715 | 5.8876724 | 19.23077 |
| **SRT** | | 9.755663 | 5.0876718 | 3.9876716 | 19.23077 |
| **HPF Non-preemptive** | **All Priorities** | 14.67557 | 9.246853 | 9.246853 | 16.82243 |
| **Priority 4** | 9.538634 | 3.3893995 | 3.3893988 | 9 |
| **Priority 3** | 16.675577 | 10.88209 | 10.882089 | 5 |
| **Priority 2** | 31.091827 | 27.118698 | 27.118698 | 3 |
| **Priority 1** | 1.6592023 | 0.17222607 | 0.17222613 | 1 |
| **HPF Preemptive** | **All Priorities** | 24.284647 | 18.630604 | 5.1306024 | 16.260162 |
| **Priority 4** | 9.983078 | 3.8338442 | 0.8338431 | 9 |
| **Priority 3** | 16.075577 | 10.282089 | 6.8820887 | 5 |
| **Priority 2** | 38.76163 | 33.30496 | 12.1049595 | 5 |
| **Priority 1** | 121.6592 | 120.172226 | 0.17222613 | 1 |

The algorithm with the largest average throughput within a period of 100 quanta was a tie between Shortest Job First and Shortest Remaining Time.

The shortest averages turn around time belonged to Shortest Remaining Time, with Shortest Job First coming in second by being within one quanta of each other.

The shortest average response time belonged to Shortest Remaining Time as well, with Shortest Job First coming in second by being within a little less than one whole quanta of each other.

Finally, the algorithm with the shortest average response time was by far, Round Robin.