Performance Comparison

Name	Total Time	P1	P2	P3	P4	P5
FCFS	36627	6030	5719	6019	10130	8729
RR	35099	6949	7050	6940	7030	7130
PBS	35610	6950	7040	7000	6990	7130
MLFQ	28738	5980	5920	5510	5769	5560

Observations:

- 1. In FCFS, the range of runtimes is quite sparse.
- 2. In RR, the runtimes are balanced and close together.
- 3. In PBS, it either imitates RR or FCFS based on the priorities.
- 4. In MLFQ, there is a noticeable performance improvement.

Comments:

FCFS: Even though this is the worst in terms of runtime, it is the most fair algorithm and doesn't cause starvation.

RR: Runtime improves, and is more stable here and the algorithm is again fair and not prone to starvation.

PBS: Imitates either RR or FCFS based on the priorities unless process arrive anytime in between(not benchmarked) or if priorities change. Algorithm isn't as fair and is prone to starvation.

MLFQ: By far the most efficient algorithm, aging removes the problem of starvation.