

Assignment 3

Question

Schedule the following set of processes using the following CPU scheduling policies:

1. **First Come First Served (FCFS)**
 2. **Shortest Job First (SJF / STF – Non-Preemptive)**
 3. **Shortest Remaining Time First (SRTF – Preemptive SJF)**
 4. **Round Robin (RR) with Time Quantum = 4**
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Given Processes

Process	Arrival Time (AT)	Burst Time (BT)
P1	0	7
P2	2	4
P3	4	1
P4	5	4

Required (For EACH Scheduling Policy)

1. **Determine for each process:**
 - Response Time (RT)
 - Turnaround Time (TAT)
 - Waiting Time (WT)
2. **Compute the averages:**
 - Average Response Time
 - Average Waiting Time
 - Average Turnaround Time