CSE 4502 [Operating Systems Lab]
Lab # 11

Lab Task

Consider the following set of processes, with the length of the CPU burst given in milliseconds:

Process	Burst Time	Priority	Arrival Time
P1	10	3	3
P2	1	1	0
P3	2	3	1
P4	7	4	4
P5	5	2	5

Calculate average waiting time and average response time for the followings:

  a. Preemptive SJF Scheduling
  b. Non-preemptive SJF Scheduling
  c. Preemptive Priority Scheduling
  d. Non-preemptive Priority Scheduling
  e. Round Robin (quantum=4) Scheduling

Output (Print the output in the given format)

Preemptive SJF
P1—→P2—→P3—→P2—→P4—→P1
P1:
Start Time – 0
Finish Time – 25
Response Time – 0
Waiting Time – 15
P2:
Start Time – 1
Finish Time – 3
Response Time – 1
Waiting Time – 0
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Average Response Time – 6.5
Average Waiting Time – 9.2