CSE 4502 [Operating Systems Lab]
Lab # 05

Lab Task

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

Process	Burst Time	Priority	Arrival Time
***P*1**	**13**	**3**	**2**
***P*2**	**1**	**1**	**0**
***P*3**	**2**	**3**	**1**
***P*4**	**16**	**4**	**3**
***P*5**	**7**	**2**	**5**

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

a. FCFS Scheduling
b. Preemptive SJF Scheduling
c. Non-preemptive SJF Scheduling
d. Preemptive Priority Scheduling
e. Non-preemptive Priority Scheduling
f. Round Robin (quantum=4) Scheduling
g. Multilevel feedback queue (quantum=4&8) Scheduling

Output (Print the output in the given format)

Non-preemptive SJF
P2 ⟶ P3 ⟶ P1 ⟶ P5 ⟶ P4:
P1:
Start Time – 3
Finish Time – 16
Response Time – 1
Waiting Time – 1
P2:
Start Time – 0
Finish Time – 1
Response Time – 0
Waiting Time – 0
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Average Response Time – 6.4
Average Waiting Time – 6.4