Activity Process and Task Management

FCFS Scheduling

Directions: Analyze and complete the table below. Then provide a short explanation of your work.

Task	Arrival Time	Duration	Waiting time
1	8:00 AM	19 mins	
2	8:10 AM	3 mins	
3	8:17 AM	9 mins	
4	8:35 AM	17 mins	
5	8:40 AM	8 mins	
6	8:46 AM	3 mins	
7	8:51 AM	27 mins	
8	9:00 AM	29 mins	
9	9:09 AM	5 mins	
10	9:30 AM	19 mins	

SJN Scheduling

Directions: Arrange the data in the table below based on SJN scheduling. Also provide the waiting time for each task. Then provide a short explanation of your work.

Task	Arrival Time	Duration	Waiting time
6	6:09 AM	55 mins	
7	6:10 AM	20 mins	
8	6:26 AM	11 mins	
5	6:28 AM	18 mins	
2	6:29 AM	41 mins	
9	6:33 AM	16 mins	
1	6:34 AM	46 mins	
3	6:38 AM	40 mins	
10	6:42 AM	23 mins	
4	6:45 AM	58 mins	

RR Scheduling

Directions: Analyze the table below then simulate the RR scheduling with time quantum 4 mins. If task has been completed, write “completed” in column remaining minutes. Then provide a short explanation of your work.

Task	Duration	Remaining Minutes
1	24	
2	10	
3	16	
4	9	
5	13	
6	25	
7	1	
8	29	
9	15	
10	17	

Priority Scheduling

Directions: Arrange the data in the table below based on Priority scheduling. Also provide the waiting time for each task. Then provide a short explanation of your work.

Task	Priority	Duration(mins)	Waiting time(mins)
6	9	9	
5	3	1	
10	5	23	
1	8	25	
3	7	8	
9	1	30	
7	6	24	
8	4	10	
2	2	16	
4	10	28	