DATE 28/6/23 C program to execute roand violin non procomptive poriority scheduling

include < Stdio. h> int at [20], cout [20); Void main () int n. i. choice, t. Vi Point ("Enter the number of percretes) Scan) ("% od" En); printf ("Enter de arrival time and copy fin each proces respectively \n") () for (1=0; 12n; 1++) print [" In Menu In In 1. Round Robin In 2. priorit (non-powerphie) \n3. exit \n'); Scant (% d' & chaice) Case 1: Point (Enter the time quantum Scanf (" 0/2 d", 819); Dound Rokin (n, ta); break; Cap 2: Nonposporiority (n); Case 3 : exit (0);

default: point (" wrong choice m"

Week-3

Write a

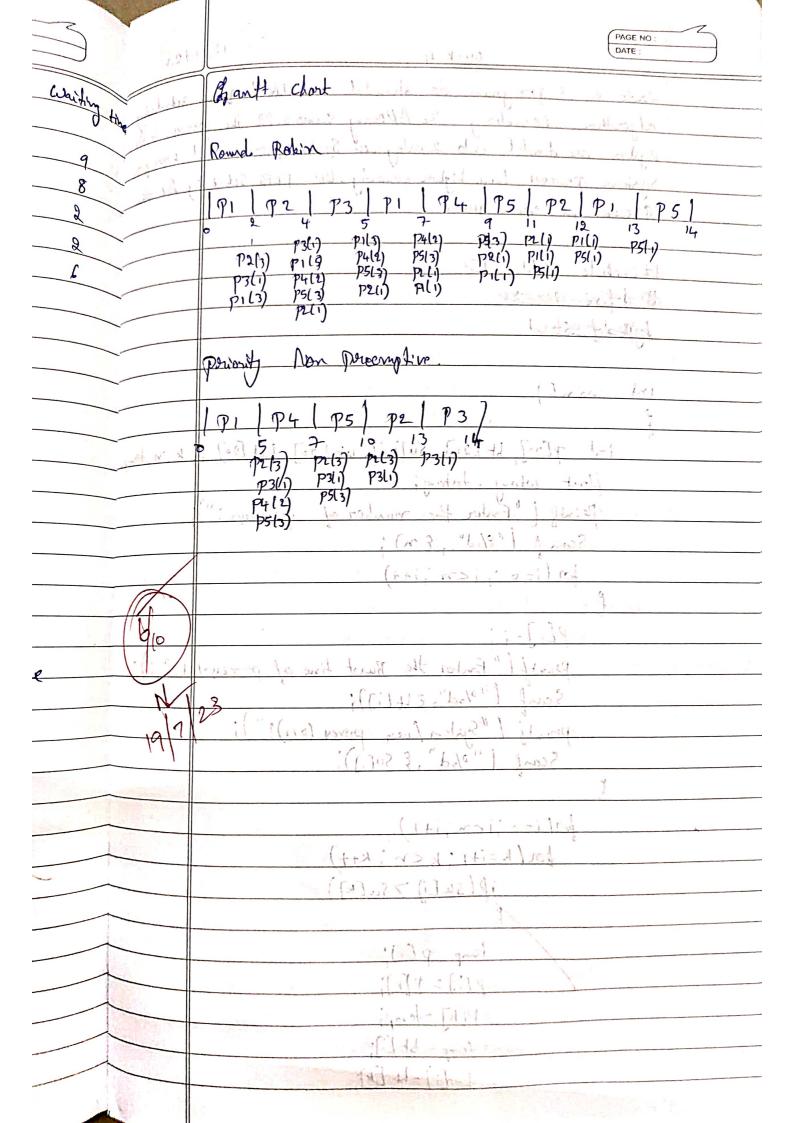
19

void roundRobin (int n, int 1) remaining line [30], W+[20], +a+[50], Completed =0, dine =0 float aut = 0; atat = 0; for (izo; icn; i++) f remaining time [i] = cout[i] While (completed < n) iff nemaining line [] > 0 EE at [i] < = dine) f romaining line [i]; maining_ time [i] = 0; 11:4 at [i]: time -at [i]; W+[]= tat[]= cout[); Olye remaining time (i) = tqi +=W+[U; aws and In length mant 1=nja

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3. Exit.	L. ort hour	V.	
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PAGE	NC
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1	Procey turn around fine					
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Enter the number of processes: 3
Enter the process ID: 1
Enter the burst time: 3
Enter the priority: 2
Enter the process ID: 2
Enter the burst time: 4
Enter the priority: 1
Enter the process ID: 3
Enter the burst time: 2
Enter the priority: 3
Process ID
               Burst Time
                                Priority
                                               Waiting Time
                                                               Turnaround Time
2
               4
                                                               4
                                1
                                2
1
                                                                9
Average Waiting Time = 3.666667
Average Turnaround Time = 6.666667
```

Enter number of processes: 3

Enter the Arrival and Burst time of the Process[1]: 2 12

Enter the Arrival and Burst time of the Process[2]: 0 3

Enter the Arrival and Burst time of the Process[3]: 7 8

Enter the time quantum for the process:

Process No	Burst Time	TAT	Waiting Time
Process No[2]	3	7	4
Process No[3]	8	14	6
Process No[1]	12	21	9

Average Turn Around Time: 6.333333

Average Waiting Time: 14.000000