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Subject & Section: CCOPSYSL – COM232

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Laboratory #2: LAB-ACT3: RR SCHEDULING ALGORITHM

Instruction:

Make a program in java for RR (Round Robin) algorithm.

Sample Input / Output Screenshot :

```
/home/flexycode/.jdk/openjdk-22.0.2/bin/java -javaagent:/home/flexycode/.lo
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ROUND ROBIN SCHEDULING ALGORITHM
Operating Systems Lab - ACT3
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Enter the number of processes (3-5): 5
Enter Quantum Time: 4

Enter process details:

Process 1:
Arrival Time: 0
Burst Time: 8

Process 2:
Arrival Time: 4
Burst Time: 5

Process 3:
Arrival Time: 2
Burst Time: 7
```

Enter process details:

Process 1:

Arrival Time: 0

Burst Time: 8

Process 2:

Arrival Time: 4

Burst Time: 5

Process 3:

Arrival Time: 2

Burst Time: 7

Process 4:

Arrival Time: 5

Burst Time: 6

Process 5:

Arrival Time: 3

Burst Time: 4

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ROUND ROBIN SCHEDULING

Time Quantum: 4

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PID	Arrival Time	Burst Time	Completion Time	Turnaround Time	Waiting Time
P1	0	8	24	24	16
P2	4	5	25	21	16
P3	2	7	28	26	19
P4	5	6	30	25	19
P5	3	4	20	17	13

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PERFORMANCE METRICS

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Average Turnaround Time: 22.60 units

Average Waiting Time: 16.60 units

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PID	Arrival Time	Burst Time	Completion Time	Turnaround Time	Waiting Time
P1	0	8	24	24	16
P2	4	5	25	21	16
P3	2	7	28	26	19
P4	5	6	30	25	19
P5	3	4	20	17	13

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PERFORMANCE METRICS

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Average Turnaround Time: 22.60 units

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Gantt Chart:

Time: 0 4 8 12 16 20 24 25 28 30

Proc: P1 P2 P3 P4 P5 P1 P2 P3 P4

Do you want to try again? (yes/no): |