Quiz: CPU Scheduling

Total points 35/36

Take the quiz solo, but feel free to consult a partner student, the book, the videos or other resources if needed. Re-take quiz if your score is less than 80% or if you just want some more practice.

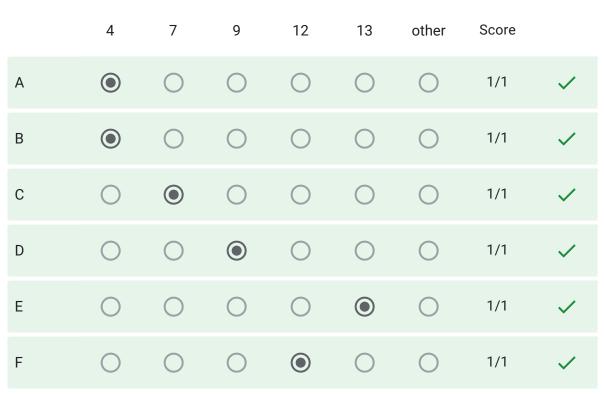The respondent's email (**faiyaz@pdx.edu**) was recorded on submission of this form.

Use this listing of process IDs, arrival times and processing times for the following questions.

Process ID	Arrival Time	Processing Time
A	0	4
B	1	1
C	3	5
D	4	3
E	6	6
F	8	1

Assume that the system uses First Come First Served schedulding. Indicate the   *
Delay value for each process.

	0	2	3	6	7	11	other	Score	
Process A	◉	○	○	○	○	○	○	1/1	✓
Process B	○	○	◉	○	○	○	○	1/1	✓
Process C	○	◉	○	○	○	○	○	1/1	✓
Process D	○	○	○	◉	○	○	○	1/1	✓
Process E	○	○	○	○	◉	○	○	1/1	✓
Process F	○	○	○	○	○	◉	○	1/1	✓

For First Come First Serve scheduling, indicate the Turnaround Time for each process. *

	4	7	9	12	13	other	Score	
A	◉	○	○	○	○	○	1/1	✓
B	◉	○	○	○	○	○	1/1	✓
C	○	◉	○	○	○	○	1/1	✓
D	○	○	◉	○	○	○	1/1	✓
E	○	○	○	○	◉	○	1/1	✓
F	○	○	○	◉	○	○	1/1	✓

Assume that the system uses Shortest Job First with Pre-emption schedulding.   *
Indicate the Delay value for each process.

	0	1	6	8	other	Score	
Process A	○	◉	○	○	○	1/1	✓
Process B	◉	○	○	○	○	1/1	✓
Process C	○	○	◉	○	○	1/1	✓
Process D	○	◉	○	○	○	1/1	✓
Process E	○	○	○	◉	○	1/1	✓
Process F	◉	○	○	○	○	1/1	✓

For Shortest Job First with Pre-emption scheduling, indicate the Turnaround Time *
for each process.

	1	4	5	11	14	other	Score	
A	○	○	●	○	○	○	1/1	✓
B	●	○	○	○	○	○	1/1	✓
C	○	○	○	●	○	○	1/1	✓
D	○	●	○	○	○	○	1/1	✓
E	○	○	○	○	●	○	1/1	✓
F	●	○	○	○	○	○	1/1	✓

Assume that the system uses Round Robin scheduling and that newly arriving processes are always placed at the front of the scheduling queue. Indicate the Delay value for each process.   *

	0	7	8	10	Score	
Process A	○	◉	○	○	1/1	✓
Process B	◉	○	○	○	1/1	✓
Process C	○	○	○	◉	1/1	✓
Process D	○	◉	○	○	1/1	✓
Process E	○	○	◉	○	1/1	✓
Process F	◉	○	○	○	1/1	✓

For Round Robin with new processes always placed at front of queue, indicate the *
Turnaround Time for each process.

	1	10	11	14	15	other	Score	
A	○	○	⦿	○	○	○	1/1	✓
B	⦿	○	○	○	○	○	1/1	✓
C	○	○	○	○	⦿	○	1/1	✓
D	○	⦿	○	○	○	○	1/1	✓
E	○	○	○	⦿	○	○	1/1	✓
F	○	⦿	○	○	○	○	0/1	✗

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