Processes

Due Sep 19, 2019 at 11:59pm   **Points** 4   **Questions** 4

Available after Sep 12, 2019 at 10:59am   **Time Limit** None

Allowed Attempts Unlimited

This quiz is no longer available as the course has been concluded.

Attempt History

	Attempt	Time	Score
LATEST	**Attempt 1**	7,116 minutes	4 out of 4

Score for this attempt: **4** out of 4

Submitted Sep 17, 2019 at 1:14pm

This attempt took 7,116 minutes.

Question 1	**1 / 1 pts**

Produce a trace of what would happen when you run these processes:

Process 0

cpu

cpu

cpu

cpu

cpu

Process 1

io

io

io

io

io

During what time interval will the last CPU event be completed by Process 0?

Correct!

> 5

---

orrect Answers   5 (with margin: 0)

```
Time PID: 0 PID: 1
1 RUN:cpu READY
2 RUN:cpu READY
3 RUN:cpu READY
4 RUN:cpu READY
5 RUN:cpu READY
6 DONE RUN:io
7 DONE WAITING
8 DONE WAITING
9 DONE WAITING
10 DONE WAITING
11* DONE RUN:io
12 DONE WAITING
13 DONE WAITING
14 DONE WAITING
15 DONE WAITING
16* DONE RUN:io
17 DONE WAITING
18 DONE WAITING
19 DONE WAITING
20 DONE WAITING
21* DONE RUN:io
22 DONE WAITING
23 DONE WAITING
24 DONE WAITING
25 DONE WAITING
26* DONE RUN:io
27 DONE WAITING
28 DONE WAITING
29 DONE WAITING
30 DONE WAITING
31* DONE DONE
```

Question 2

1 / 1 pts

Produce a trace of what would happen when you run these processes:

Process 0

io

io

io

io

io

Process 1

cpu

cpu

cpu

cpu

cpu

During what time interval will the last CPU event be completed by Process 1?

Correct!

6

---

orrect Answers   6 (with margin: 0)

```
Time PID: 0 PID: 1
1 RUN:io READY
2 WAITING RUN:cpu
3 WAITING RUN:cpu
4 WAITING RUN:cpu
5 WAITING RUN:cpu
6* READY RUN:cpu
7 RUN:io DONE
8 WAITING DONE
9 WAITING DONE
10 WAITING DONE
11 WAITING DONE
12* RUN:io DONE
13 WAITING DONE
14 WAITING DONE
15 WAITING DONE
16 WAITING DONE
17* RUN:io DONE
18 WAITING DONE
19 WAITING DONE
20 WAITING DONE
21 WAITING DONE
22* RUN:io DONE
23 WAITING DONE
24 WAITING DONE
25 WAITING DONE
26 WAITING DONE
27* DONE DONE
```

Question 3

1 / 1 pts

For the following instruction streams:

Process 0
io
cpu
io
io
cpu

Process 1
io

io

io

io

cpu

During what time interval will the last CPU event be completed by Process 0?

Correct!

17

---

orrect Answers   17 (with margin: 0)

```
Time PID: 0 PID: 1
1 RUN:io READY
2 WAITING RUN:io
3 WAITING WAITING
4 WAITING WAITING
5 WAITING WAITING
6* RUN:cpu WAITING
7* RUN:io READY
8 WAITING RUN:io
9 WAITING WAITING
10 WAITING WAITING
11 WAITING WAITING
12* RUN:io WAITING
13* WAITING RUN:io
14 WAITING WAITING
15 WAITING WAITING
16 WAITING WAITING
17* RUN:cpu WAITING
18* DONE RUN:io
19 DONE WAITING
20 DONE WAITING
21 DONE WAITING
22 DONE WAITING
23* DONE RUN:cpu
```

Question 4	**1 / 1 pts**

For the following instruction streams:

Process 0

cpu

io

cpu

io

cpu

Process 1

cpu

io

cpu

cpu

cpu

During what time interval will the last CPU event be completed by Process 1?

Correct!

11

orrect Answers

11 (with margin: 0)

```
Time PID: 0 PID: 1
1 RUN:cpu READY
2 RUN:io READY
3 WAITING RUN:cpu
4 WAITING RUN:io
5 WAITING WAITING
6 WAITING WAITING
7* RUN:cpu WAITING
8 RUN:io WAITING
9* WAITING RUN:cpu
10 WAITING RUN:cpu
11 WAITING RUN:cpu
12 WAITING DONE
13* RUN:cpu DONE
```

Quiz Score: **4** out of 4