

Quiz1

Due No due date**Points** 2**Questions** 12**Available** Feb 21 at 1:15pm - Feb 21 at 1:45pm 30 minutes**Time Limit** 30 Minutes

Instructions

Chapters 1-3

This quiz was locked Feb 21 at 1:45pm.

Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	8 minutes	0.93 out of 2

Score for this quiz: **0.93** out of 2

Submitted Feb 21 at 1:24pm

This attempt took 8 minutes.

Question 1

0 / 0.15 pts

All of the following are possible approaches of inter-process communication except

Correct Answer

☐ Multi-threading☐ File read/write

You Answered

☒ Network messaging☐ pipe

Question 2**0 / 0.15 pts**

Which of the following is FALSE regarding the operation: "file open, i.e., check if it exists, create if it does not exist, and then open the file"?

Correct Answer**Not Answered**☐ It consists of multiple separate instructions☒ It cannot be interrupted☐ It's defined in Unix system☐ It's designed to avoid potential errors**Question 3****0.15 / 0.15 pts**

Which of the following functions is NOT a UNIX system call?

Correct!☒ CreateProcess☐ exec()☐ wait()☐ signal()**Question 4****0.1 / 0.1 pts**

Almost 90% system crashes were due to device drivers, not operating systems itself.

Correct!☒ True

☐ False

Question 5

0.15 / 0.15 pts

Which of the following is NOT a typical role an operating system plays?

☐ Referee

☐ Illusionist

☒ Controller

☐ Glue

Correct!

Question 6

0 / 0.15 pts

Which of the following operating system works on a queue of tasks. It runs a simple loop: load, run, and unload each job in turn.

☒ Time sharing

☐ Batch

☐ Real time

☐ Modern

You Answered

Correct Answer

Question 7

0.15 / 0.15 pts

Most operating systems allocate how many stack(s) for interrupted processes?

☐ 0☐ 1☒ 2☐ 3

Correct!

Question 8

0.08 / 0.3 pts

Please fill in the following blanks in the code:

```
int child_pid =  ;  
  
if(child_pid ==  ) {  
  
    cout << "I am the child process " <<  << endl;  
  
    return 0;  
}  
else {  
  
    cout << "I am the parent of child process " <<  <<  
endl;  
  
    return 0;  
}
```

Answer 1:

You Answered

0

Correct Answer

fork()

Answer 2:

Correct!

0

Answer 3:

You Answered

child_pid

Correct Answer

getpid()

Answer 4:

You Answered

parent_pid

Correct Answer

child_pid

Correct Answer

childpid

Question 9

0 / 0.3 pts

We use to refer to any synchronous transfer of control from user mode to kernel. Three typical reasons for user to kernel mode transfer, **in alphabetical order**, include , , .

Answer 1:

You Answered

dual mode

Correct Answer

trap

Answer 2:

You Answered

(You left this blank)

Correct Answer

interrupts

Answer 3:

You Answered

(You left this blank)

Correct Answer

processor exceptions

Answer 4:

You Answered

(You left this blank)

Correct Answer

system calls

Question 10

0.1 / 0.1 pts

Which of the following is an alternative to interrupts, i.e., the kernel loops, checking each input/output device to see if an event has occurred that requires handling.

☐ buffering☐ waiting☐ threading☒ polling

Correct!

Question 11

0.2 / 0.2 pts

The correct order of operations for UNIX file open is: ,
 , .

Note: Just use A, B, or C in the box instead of the operation description.

A: open the file

B: test if the file exists

C: optionally create it if it does not exist

Answer 1:

B

Answer 2:

C

Answer 3:

A

Correct!

Correct!

Correct!

Question 12

0 / 0.1 pts

In google chrome, a new thread is created every time a new tab is opened.

☒ True

☐ False

you Answered

Correct Answer

Quiz Score: **0.93** out of 2