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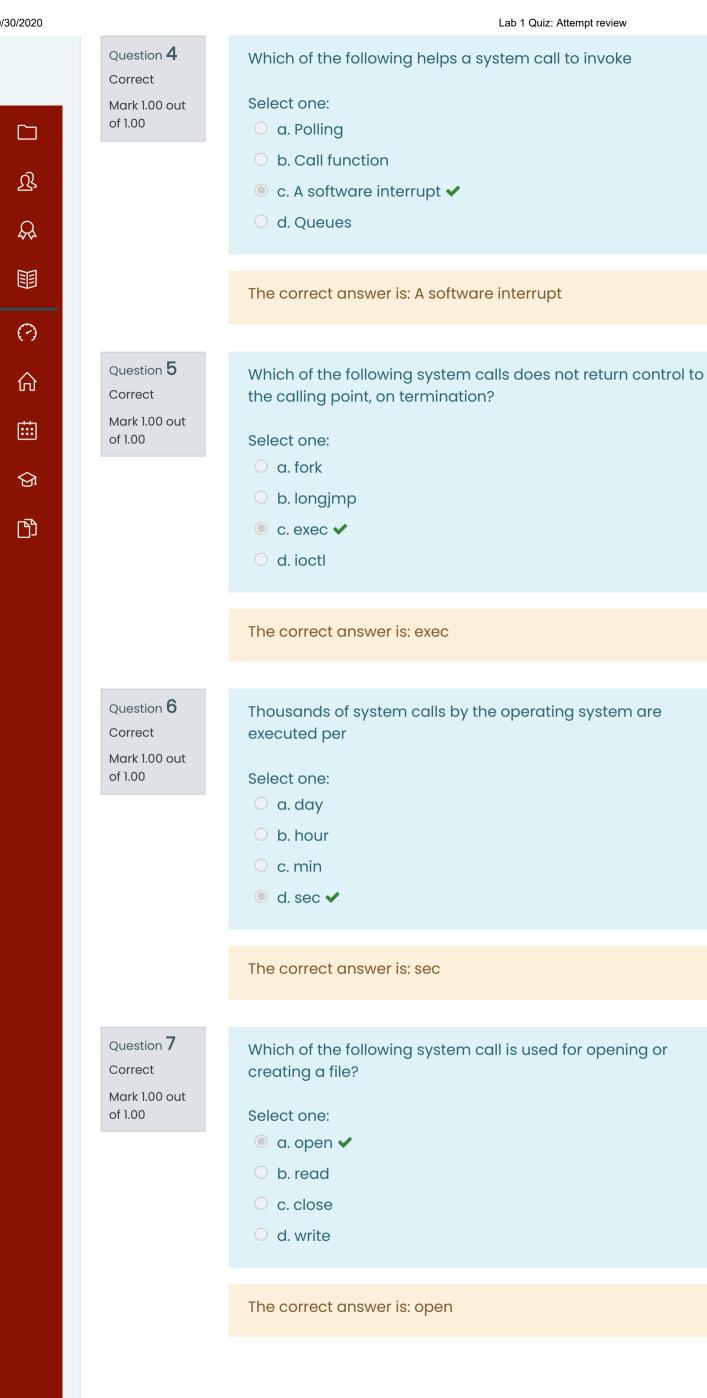


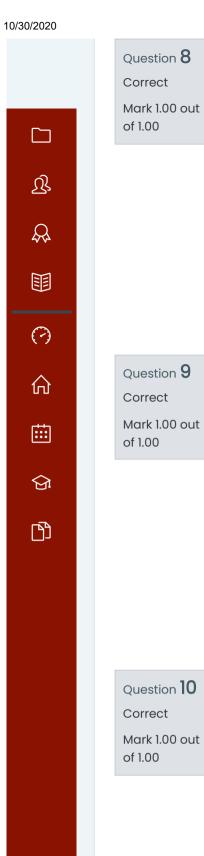
Dashboard Courses College of Engineering Computer Science Engineering CS-Y19

CS-Y19-BTECH2YSEM1 OSD-19CS2106S 2020-21 Odd Semester Practical Practical Lab 1 Quiz

OPERATING SYSTEMS DESIGN - S 2020-21 Odd Semester

⇔ Back to co	<u>purse</u>
Starte	ed on Tuesday, 4 August 2020, 8:53 PM
	State Finished
Complete	ed on Tuesday, 4 August 2020, 9:02 PM
Time t	taken 8 mins 31 secs
N	Marks 20.00/20.00
G	Frade 10.00 out of 10.00 (100%)
Question 1 Correct	The full form of RMI
Mark 1.00 out	Select one:
of 1.00	a. Remote Method Invocation
	b. Remote Memory Invocation
	c. Remote Method Installation
	d. Remote Memory Installation
	The correct answer is: Remote Method Invocation
Question 2 Correct	open system call returns the file descriptor as Select one:
Mark 1.00 out of 1.00	a. char ✓
	O b. double
	o c. float
	O d. int
	The correct answer is: char
Question 3 Correct	What invokes the system calls?
Mark 1.00 out	Select one:
of 1.00	a. A privileged instruction
	b. An indirect jump
	o c. Polling
	d. A software interrupt
	The correct angular is A software intermed
	The correct answer is: A software interrupt





Run time support system is the system that is provided by Select one:

- a. system calls interface
- b. processes
- o. System call routines are mostly written in
- d. system programs

The correct answer is: system calls interface

Run time support system is the system that is provided by

Select one:

- a. System call routmostly written in
- b. Processes
- c. System calls interface
- d. System programs

The correct answer is: System calls interface

Question 10 A fork system call will fail if _____ Select one: Mark 1.00 out

a. the limit on the maximum number of processes in the system would be executed 🗸

- b. the previously executed statement is also a fork call
- o. the limit on the minimum number of processes that can be under execution by a single user would be executed
- d. all of the mentioned

The correct answer is: the limit on the maximum number of processes in the system would be executed

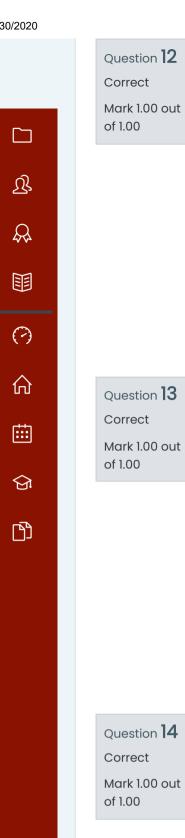
Question 11 Correct Mark 1.00 out of 1.00

Run time support system is the system that is provided by

Select one:

- a. system calls interface
- b. System call routines are mostly written in
- c. system programs
- d. processes

The correct answer is: system calls interface



If a process does not call exec after forking _____ Select one: a. none of the mentioned b. the program specified in the parameter to exec will replace the entire process c. all the threads should not be duplicated d. all the threads should be duplicated The correct answer is: all the threads should be duplicated

Question 13 If a process does not call exec after forking _____

replace the entire process

Select one: a. all the threads should not be duplicated b. none of the mentioned c. all the threads should be duplicated

The correct answer is: all the threads should be duplicated

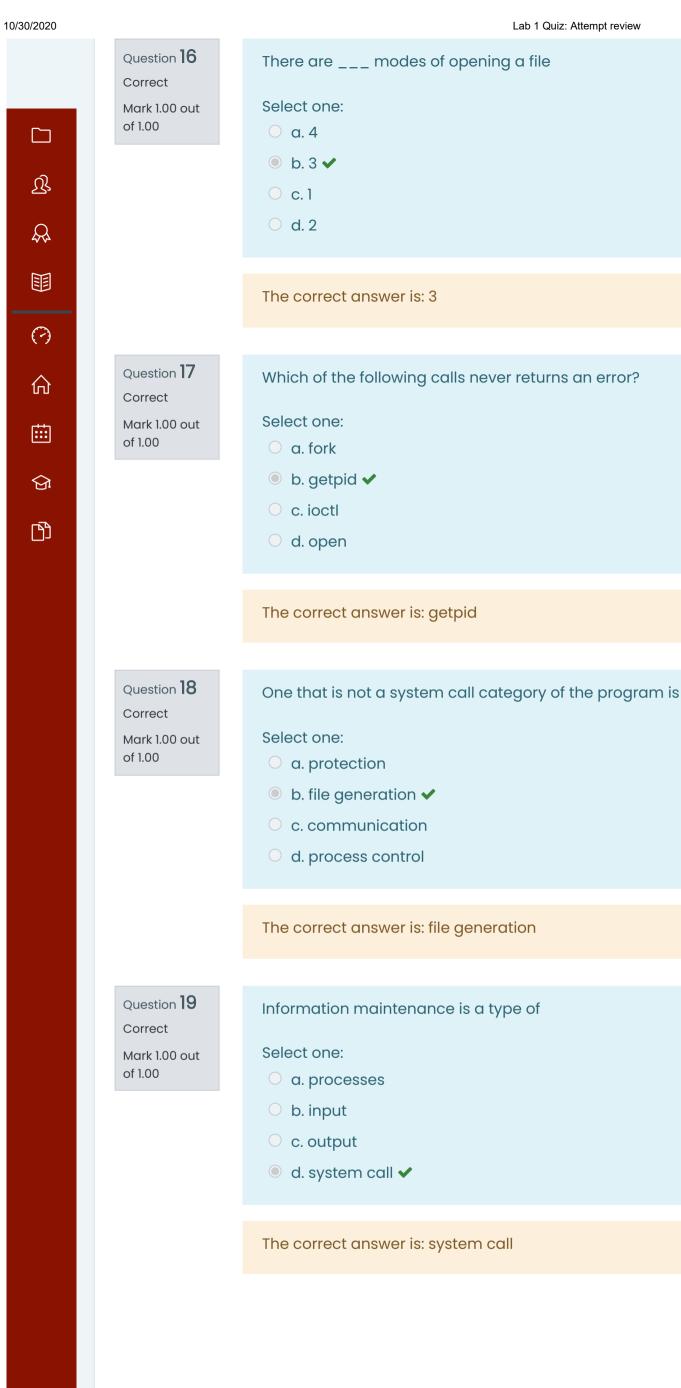
d. the program specified in the parameter to exec will

Which is the system call that is responsible for sending of SYN packets Select one: a. Listen b. Bind c. Socket d. Connect

The correct answer is: Connect

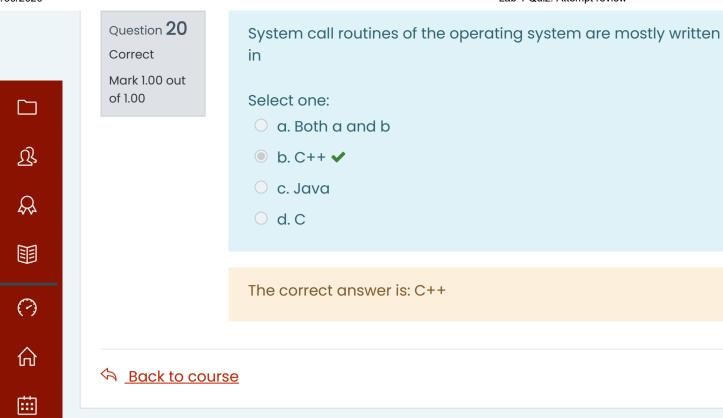
Question 15 System calls of operating system is done by Correct Select one: Mark 1.00 out of 1.00 a. caller b. programmer c. developer od. engineer

The correct answer is: caller



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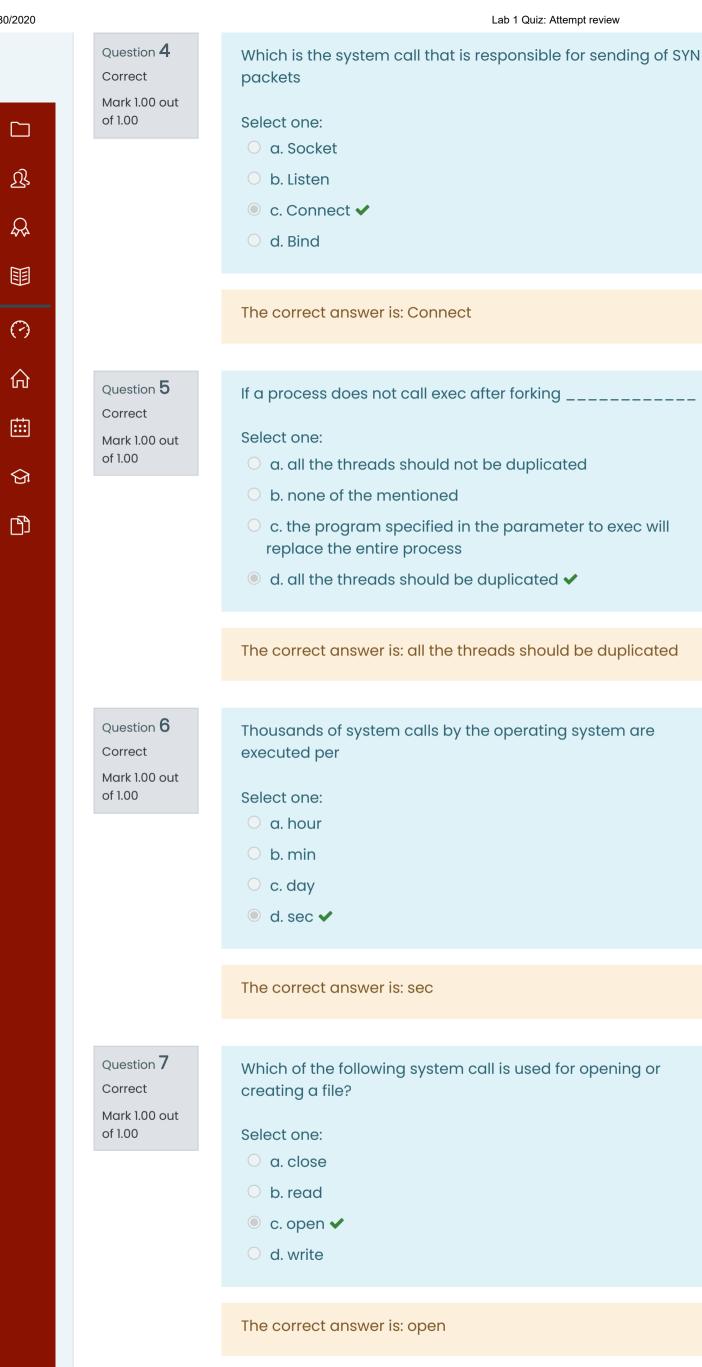


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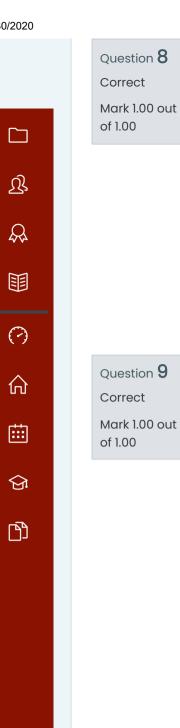
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 OSD-19CS2106S 2020-21 Odd Semester
 Practical
 Practical-1
 Lab 1 Quiz

 OPERATING SYSTEMS DESIGN - S 2020-21 Odd Semester

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Started	on Tuesday, 4 August 2020, 8:29 PM
Sto	ate Finished
Completed	on Tuesday, 4 August 2020, 8:46 PM
Time tal	ken 17 mins 38 secs
Ма	arks 13.00/20.00
Gro	ade 6.50 out of 10.00 (65%)
Question 1 Correct	Which of the following calls never returns an error?
Mark 1.00 out	Select one:
of 1.00	a. fork
	o b. ioctl
	○ c. getpid
	O d. open
	The correct answer is: getpid
Question 2 Correct Mark 1.00 out of 1.00	If a process does not call exec after forking Select one: a. the program specified in the parameter to exec will replace the entire process
	b. none of the mentioned
	c. all the threads should not be duplicated
	 d. all the threads should be duplicated
	The correct answer is: all the threads should be duplicated
Question 3 Incorrect	open system call returns the file descriptor as
Mark 0.00 out	Select one:
of 1.00	a. double
	O b. char
	⊚ c. int ×
	Od. float
	S. Hode
	The correct answer is: char







Question 8 Mark 1.00 out

The full form of RMI Select one: a. Remote Memory Installation b. Remote Memory Invocation c. Remote Method Invocation d. Remote Method Installation

The correct answer is: Remote Method Invocation

A fork system call will fail if ______

Select one:

- a. the previously executed statement is also a fork call
- b. the limit on the minimum number of processes that can be under execution by a single user would be executed
- c. all of the mentioned
- od. the limit on the maximum number of processes in the system would be executed 🗸

The correct answer is: the limit on the maximum number of processes in the system would be executed

Question 10 Incorrect Mark 0.00 out of 1.00

One that is not a system call category of the program is

Select one:

- a. file generation
- b. process control
- c. communication
- d. protection X

The correct answer is: file generation

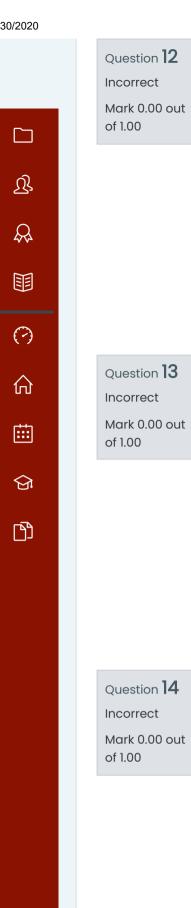
Question 11 Incorrect Mark 0.00 out of 1.00

Run time support system is the system that is provided by

Select one:

- a. system programs *
- b. System call routines are mostly written in
- o. system calls interface
- d. processes

The correct answer is: system calls interface



Question 12 Run time support system is the system that is provided by Select one: Mark 0.00 out

 a. System call routines are mostly written in b. system programs X

c. processes

d. system calls interface

The correct answer is: system calls interface

Run time support system is the system that is provided by

Select one:

a. System programs X

b. System calls interface

oc. System call routmostly written in

d. Processes

The correct answer is: System calls interface

System call routines of the operating system are mostly written in

Select one:

a. C++

b. Both a and b X

c. C

d. Java

The correct answer is: C++

Question 15 Incorrect Mark 0.00 out of 1.00

System calls of operating system is done by

Select one:

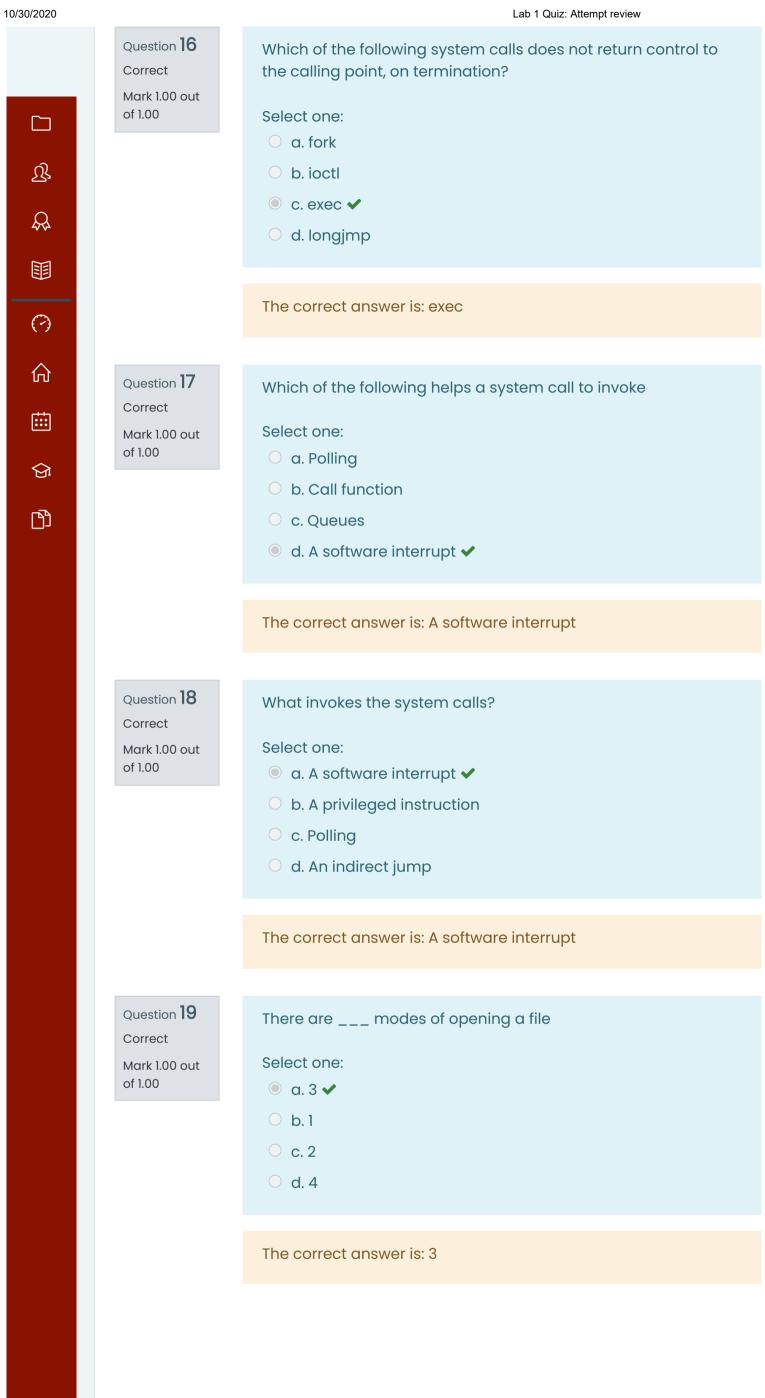
a. programmer X

b. developer

o. caller

od. engineer

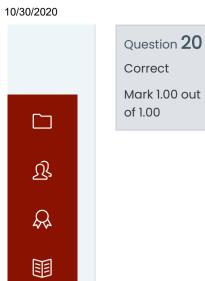
The correct answer is: caller



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Information maintenance is a type of Select one: a. processes ob. input c. system call

✓ od. output The correct answer is: system call

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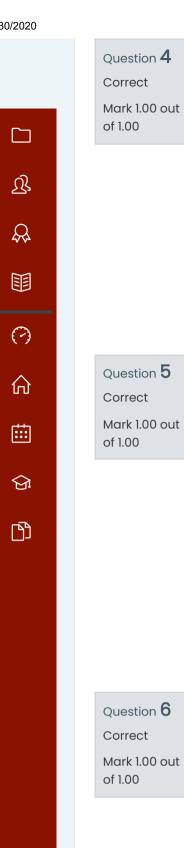


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OPERATING SYSTEMS DESIGN - S 2020-21 Odd Semester

⇔ <u>Back to cour</u>	rse
Started	on Sunday, 23 August 2020, 2:03 PM
Sto	ate Finished
Completed	on Sunday, 23 August 2020, 2:08 PM
Time tak	cen 4 mins 55 secs
Ма	rks 20.00/20.00
Gra	ide 10.00 out of 10.00 (100%)
Question 1 Correct Mark 1.00 out	For creating and removing directories, which of the following system calls are used
of 1.00	Select one:
	a. chdir
	b. mkdir and rmdir ✓
	o c. mkdir
	O d. rmdir
	The correct answer is: mkdir and rmdir
Question 2 Correct	A super user can use call for creating a directory
Mark 1.00 out	Select one:
of 1.00	o a. rmdir
	o b. chdir
	oc. mkdr
	● d. mknod
	The correct answer is: mknod
Question 3 Correct	A super user can use call for creating a directory
Mark 1.00 out	Select one:
of 1.00	a. chdir
	o c. rmdir
	O d. mkdr
	The correct answer is: mknod



Which of the following is not a valid symbolic constant Select one: a. ENDENT b. EEXIST o. EPERM ● d. EIOR The correct answer is: EIOR

Which of the following is used with access call for checking the owner's permissions

Mark 1.00 out

Select one:

o. R_OK

ob. W_OK

c. X_OK

d. R_OK, W_OK, X_OK

✓

The correct answer is: R_OK, W_OK, X_OK

Question 6 Mark 1.00 out

For checking a file access rights, ___ system call is used

Select one:

a. access

b. acc

o c. axs

d. filert

The correct answer is: access

Question 7 Correct Mark 1.00 out of 1.00

How many data structures does the kernel maintain in memory that contain information about an open file

Select one:

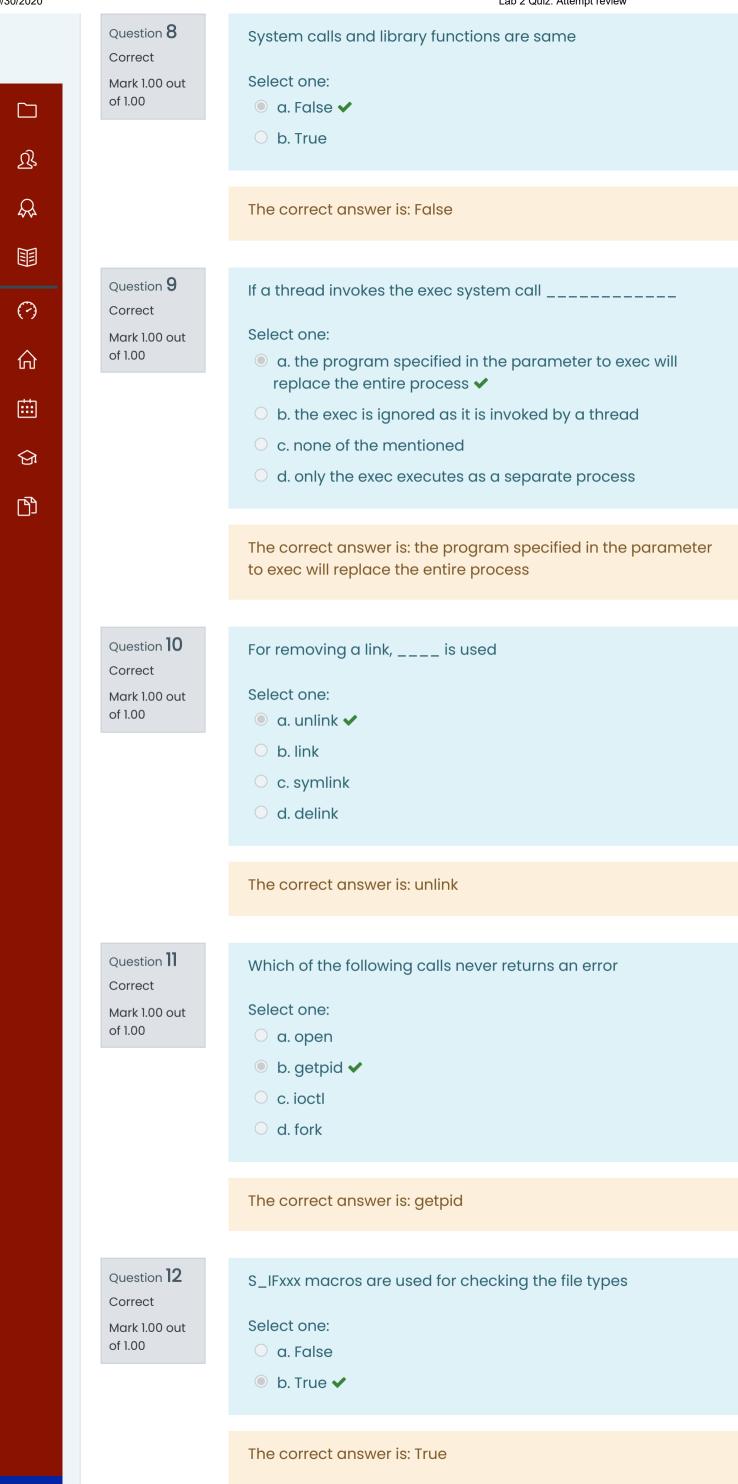
a. 5

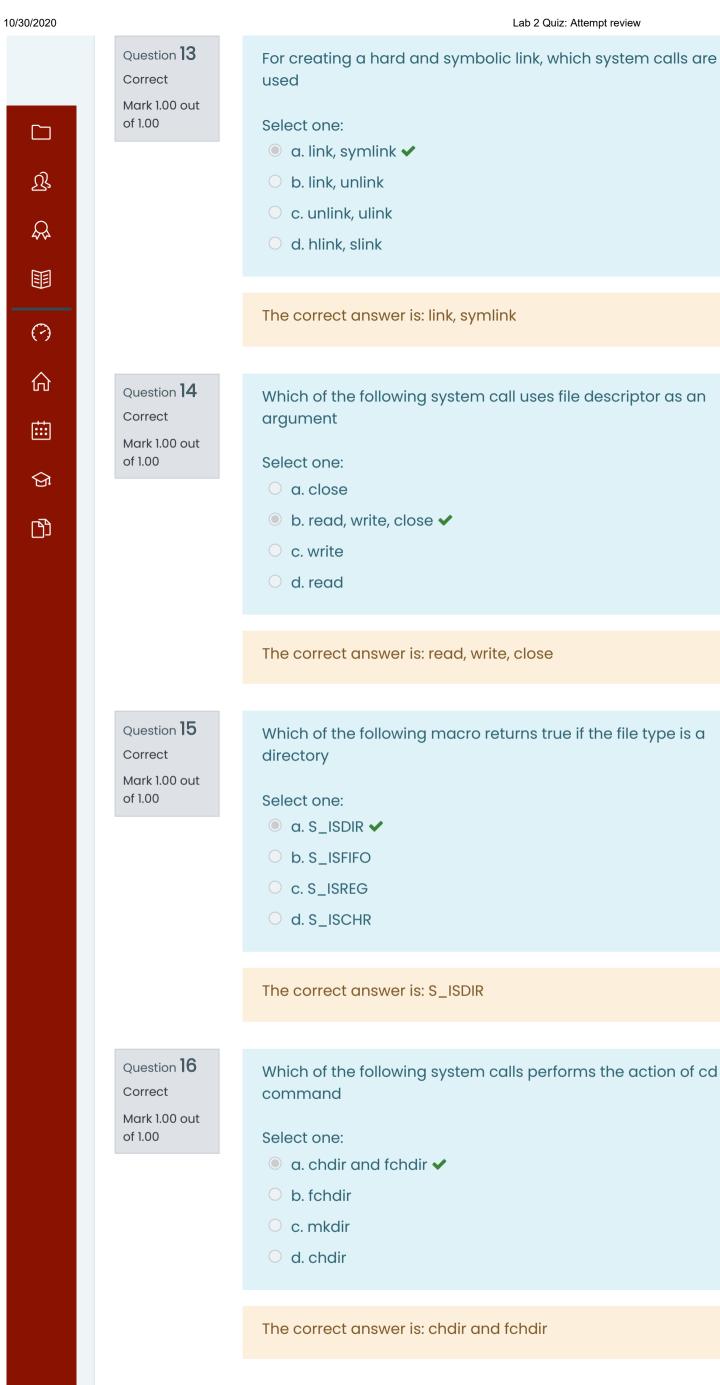
o b.1

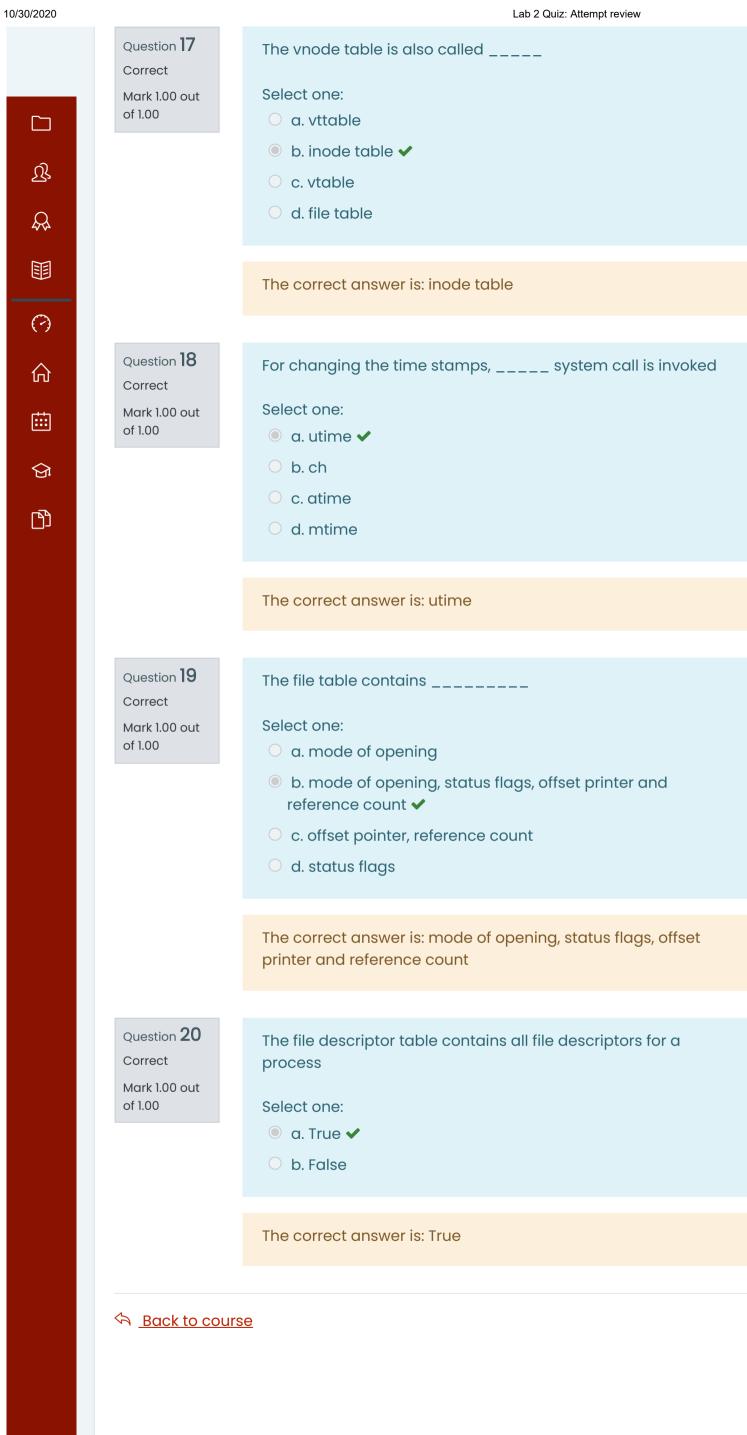
○ c. 3 ✓

O d. 2

The correct answer is: 3



















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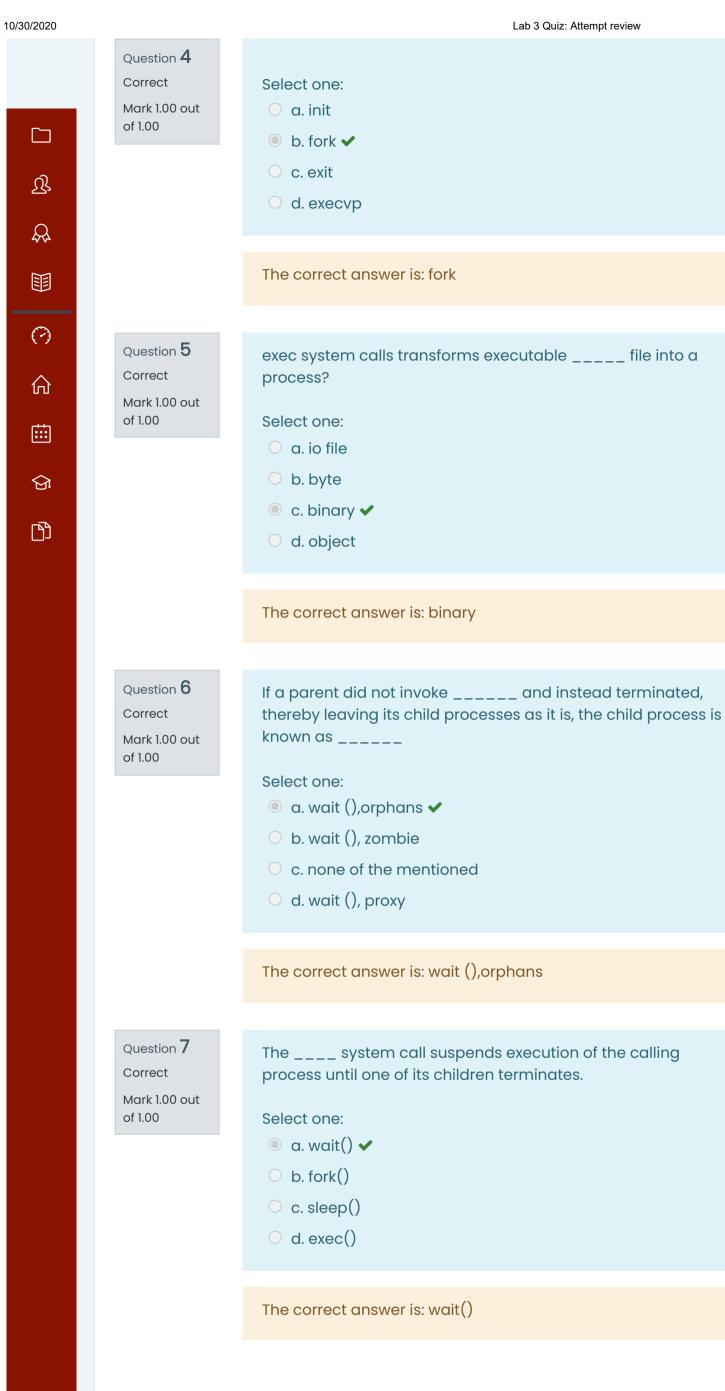


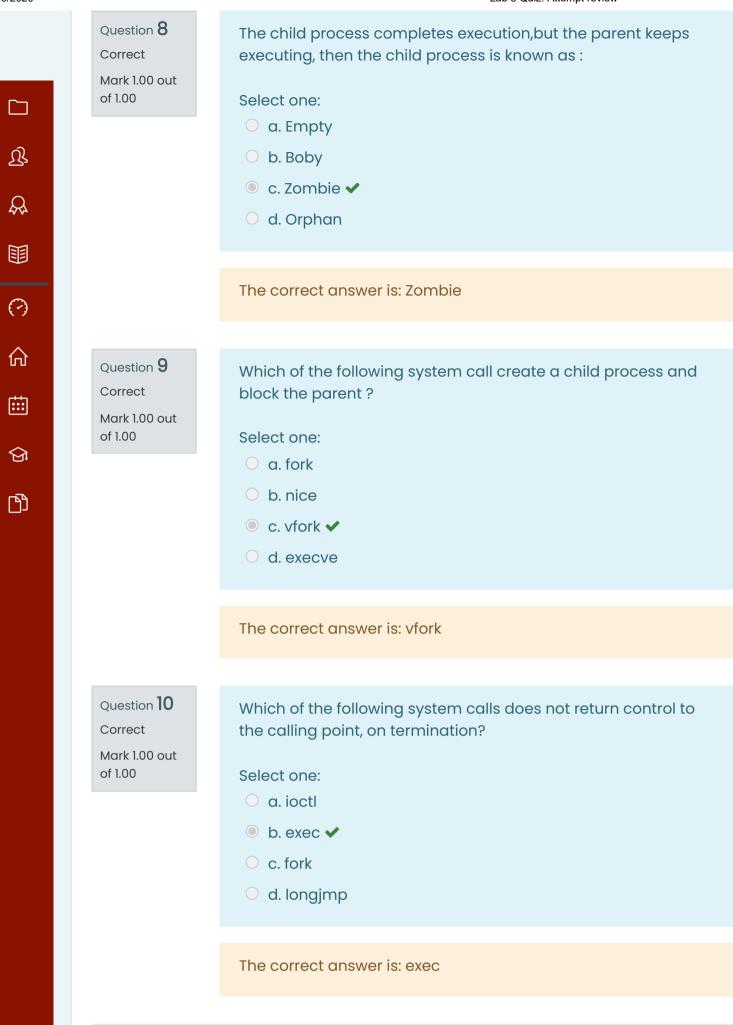
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CS-Y19-BTECH2YSEM1 OSD-19CS2106S 2020-21 Odd Semester Practical Practical-3 Lab 3 Quiz

OPERATING SYSTEMS DESIGN - S 2020-21 Odd Semester

⇔ <u>Back to cours</u>	<u>e</u>
Started o	Nednesday, 26 August 2020, 8:12 PM
Stat	te Finished
Completed c	on Wednesday, 26 August 2020, 8:17 PM
Time take	en 4 mins 51 secs
Grac	de 10.00 out of 10.00 (100%)
Question 1 Correct Mark 1.00 out	exec () functions return only if an error has occurred. The return value is ?
of 1.00	Select one:
	a1 ✓
	O b. 2
	O c. 1
	O d. 0
	The correct answer is: -1
Question 2 Correct Mark 1.00 out of 1.00	family of functions replaces the current process image with a new process image. Select one: a. exec() b. bmap()
	c. fork()d. iget()
	The correct answer is: exec()
Question 3 Correct Mark 1.00 out of 1.00	A process that has, but whose parent has not yet called wait(), is known as a zombie process. Select one: a. blocked b. running
	c. terminated ✓d. wait
	The correct answer is: terminated





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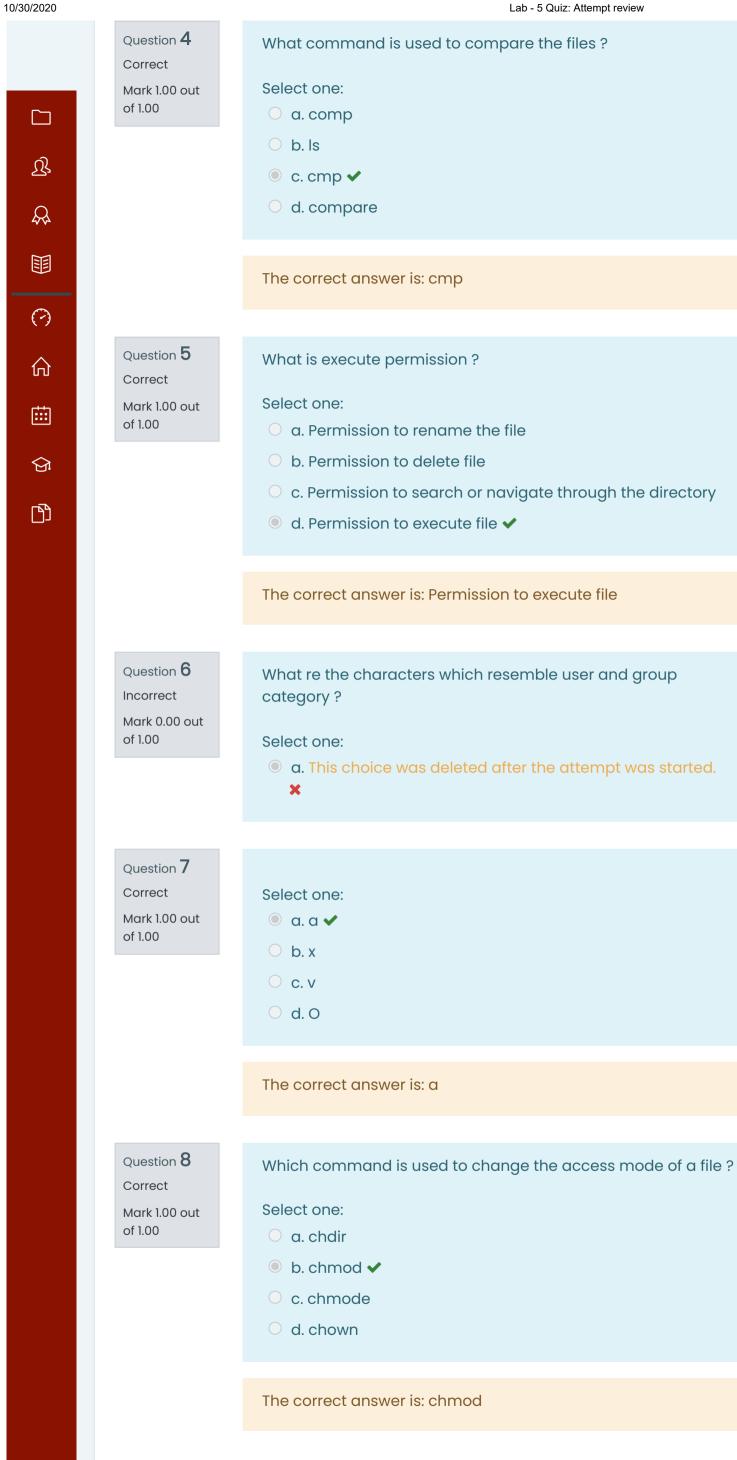
□ Data retention summary

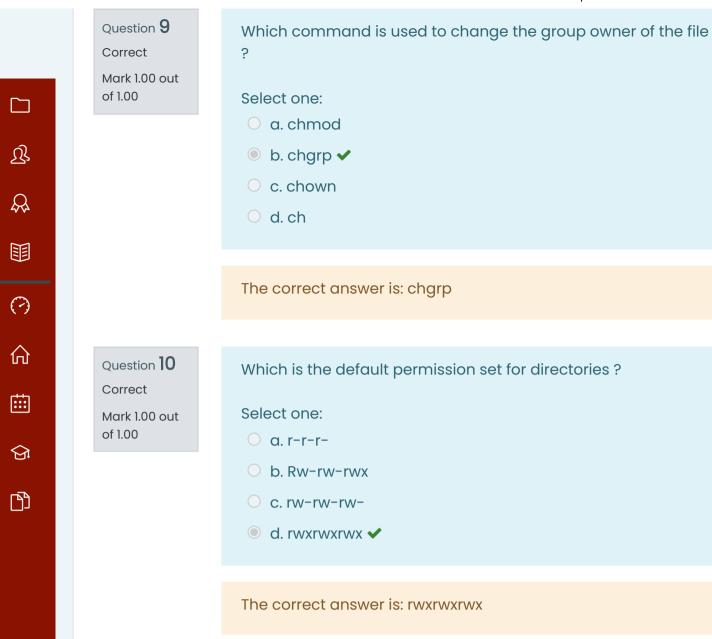
Dashboard <u>College of Engineering</u> <u>Computer Science Engineering</u> Courses Ŋ CS-Y19-BTECH2YSEM1 OSD-19CS2106S 2020-21 Odd Semester **Practical** \mathcal{A} OPERATING SYSTEMS DESIGN - S 2020-21 Odd Semester (?) ♠ Back to course 命 Started on Thursday, 10 September 2020, 7:46 PM **State** Finished Completed on Thursday, 10 September 2020, 7:50 PM Time taken 3 mins 16 secs **Grade** 9.00 out of 10.00 (90%) Question 1 In how many ways chmod command can be used? Correct Select one: Mark 1.00 out of 1.00 a. 0 b. 2 o. 3 O d. 1 The correct answer is: 2 Question 2 The multiple filenames can be taken as arguments by using Correct chmod command Mark 1.00 out of 1.00 Select one: a. True b. False The correct answer is: True Question 3 Correct Select one: Mark 1.00 out a. chmod ugo + x letter of 1.00 ● b. chmod u + x letter o. chmod u + w letter od. chmod g + x letter The correct answer is: chmod u + x letter

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<u>Lab - 5 Quiz</u>

Practical-5







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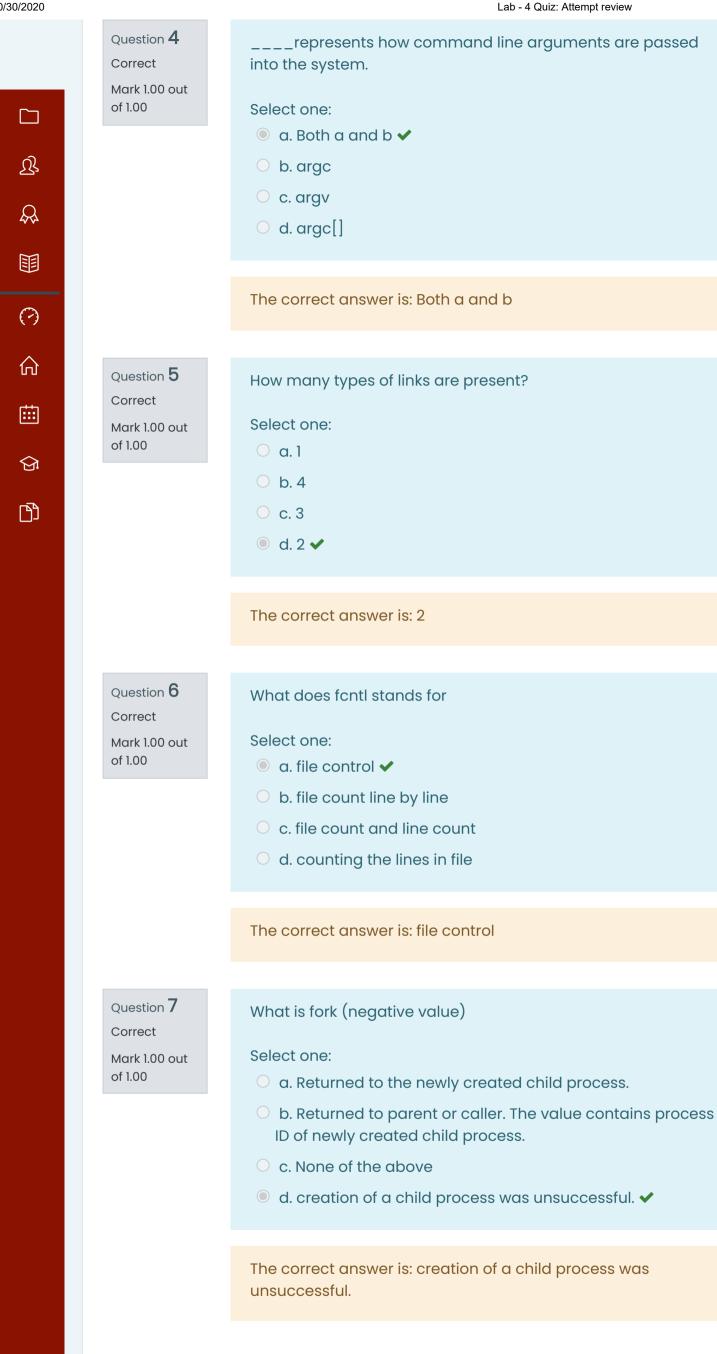
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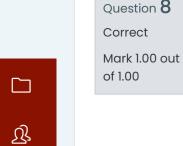
⇔ <u>Back to co</u>	<u>urse</u>
Starte	
	State Finished
	ed on Saturday, 5 September 2020, 7:17 AM aken 10 mins 21 secs
	Marks 20.00/20.00
	rade 10.00 out of 10.00 (100%)
Question 1 Correct Mark 1.00 out	is a number that uniquely identifies an open file in a computer's operating system
of 1.00	Select one:
	a. file descriptor
	O b. None of the above
	c. Both a and b
	O d. file creator
	d. me creator
	The correct answer is: file descriptor
Question 2 Correct	system call creates a copy of file descriptor.
Mark 1.00 out of 1.00	Select one:
G	a. a & b ✓
	o b. dup2()
	c. None of the above
	O d. dup()
	The correct answer is: a & b
Question 3 Correct	are also known as symlinks
Mark 1.00 out	Select one:
of 1.00	a. soft links
	c. None of the above
	d. symbolic links
	The correct answer is: Both a and b



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What is fork (positive value)

Select one:

- a. creation of a child process was unsuccessful.
- b. Returned to the newly created child process.
- c. None of the above
- d. Returned to parent or caller. The value contains process ID of newly created child process.

The correct answer is: Returned to parent or caller. The value contains process ID of newly created child process.

Question 9 Correct

of 1.00

Mark 1.00 out

What is fork(Zero)

Select one:

- a. Returned to parent or caller. The value contains process ID of newly created child process.
- b. Returned to the newly created child process.
- o. c. creation of a child process was unsuccessful.
- d. None of the above

The correct answer is: Returned to the newly created child process.

Question 10 Correct Mark 1.00 out of 1.00

What is the syntax for execlp()

Select one:

- a. int execlp (const char *file, const char *arg,.../* (char *) NULL */); **✓**
- b. int execlp (const char *path, const char *arg,.../* (char *) NULL */);
- c. int execlp (const char *file, char *const argv[],char *const envp[]);
- d. None of the above

The correct answer is: int execlp (const char *file, const char *arg,.../* (char *) NULL */);

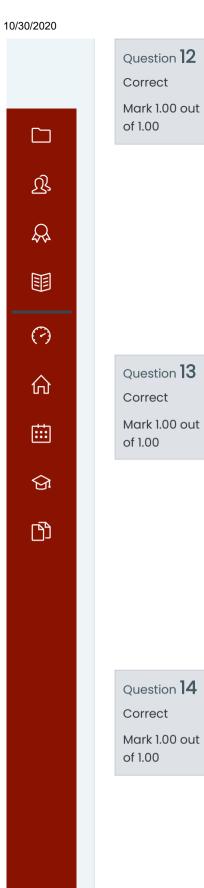
Question 11 Correct Mark 1.00 out of 1.00

What is the syntax of unlink command?

Select one:

- a. unlink filenumber
- b. unlink filename
- c. unlink filedir
- d. None of the above

The correct answer is: unlink filename



What is the syntax used to create soft link between two files? Select one: a. ls -l link1 file1 b. In -s linkl filel o. ls -l filel linkl ● d. In -s file1 link1 The correct answer is: In -s file1 link1

Question 13 What is the use of stat function?

> Select one: a. system status

> > b. Filesystem status c. BOTH A AND B
> >
> > ✓ d. Display file

The correct answer is: BOTH A AND B

Question 14 Mark 1.00 out

Which command is used to create the soft link?

Select one: a. lin ob. link Oc. Is ● d. In

The correct answer is: In

Question 15 Correct Mark 1.00 out of 1.00

Which header file contains contains constructs that refer to file control.

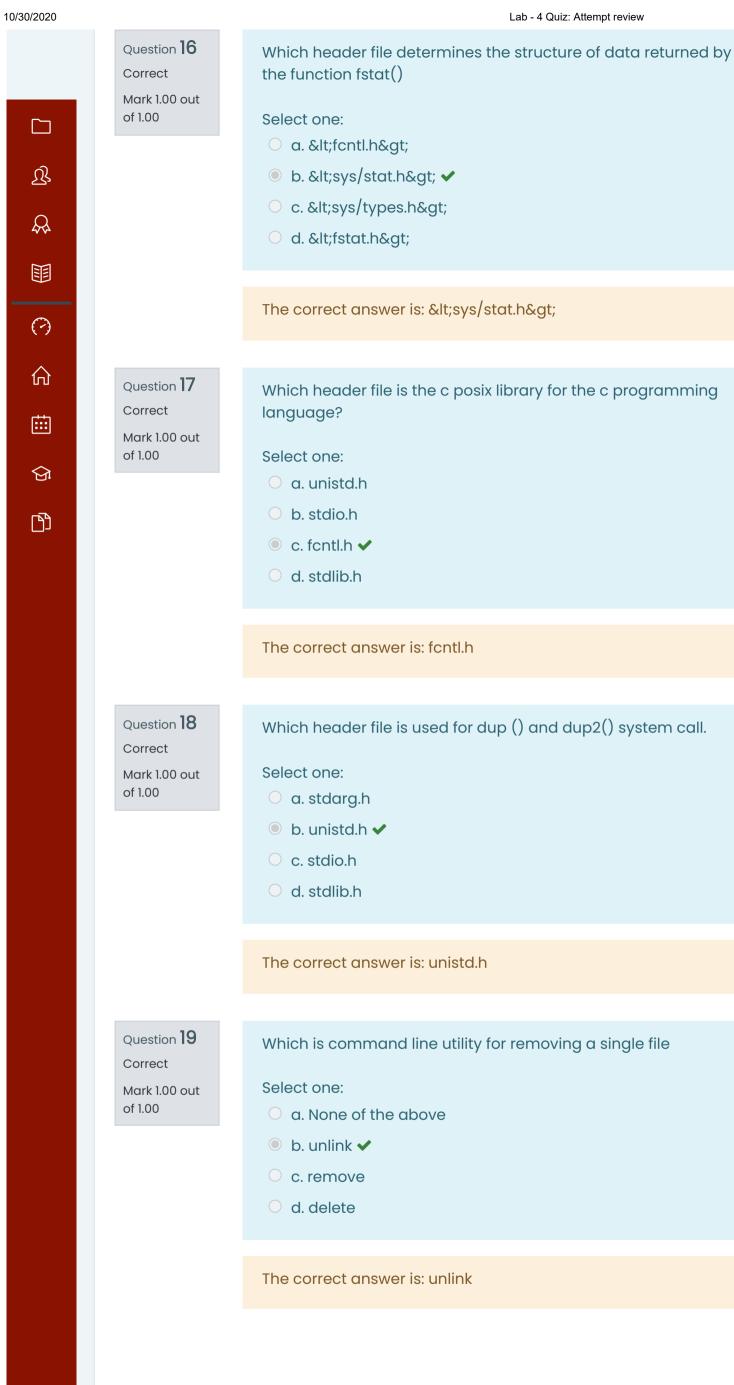
Select one: a. stdlib.h

b. stdio.h c. fcntl.h

✓

od. unistd.h

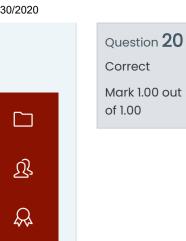
The correct answer is: fcntl.h



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Which system call is used for creating child process Select one: o. create () b. createchildprocess () oc. None of the above. d. fork () The correct answer is: fork ()

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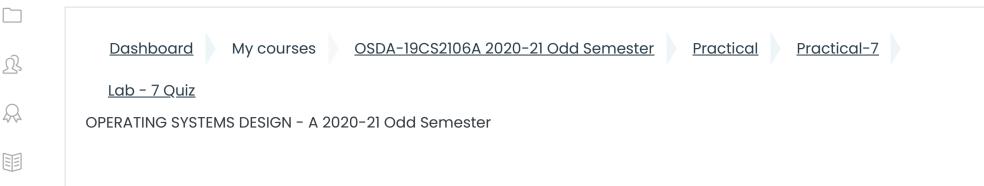
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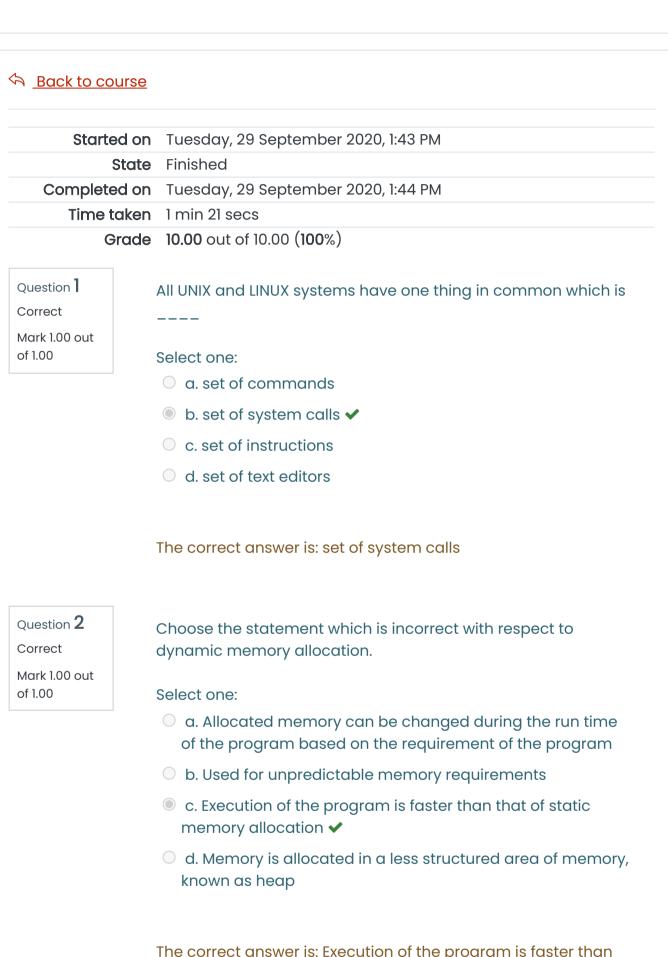
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The correct answer is: Execution of the program is faster than that of static memory allocation

	Question 3 Correct Mark 1.00 out of 1.00	Core of Linux operating System is Select one: a. Kernel ✓
<u> </u>		b. Terminal
		c. Commandd. Shell
\mathcal{Q}		O d. Stiell
		The correct answer is: Kernel
(2)		
Û	Question 4 Correct	In mode, the kernel runs on behalf of the user.
	Mark 1.00 out	Select one:
	of 1.00	a. user
		b. kernel ✓
		O c. all
		O d. real
		The correct answer is: kernel
	Question 5 Correct	Memory allocation using malloc() is done in?
	Mark 1.00 out	Select one:
	of 1.00	a. Heap area ✓
		O b. Static area
		oc. Both b & c
		O d. Stack area
		The correct answer is: Heap area
	Question 6	There are signals that are generated from the
	Correct	keyboard.
	Mark 1.00 out of 1.00	Select one:
	01 1.00	a. 3 ✓
		○ b. 2
		○ c. 5
		O d. 1
		○ u .1
		The correct answer is: 3
	Question 7 Correct	We can use pipe with fork system call.
	Mark 1.00 out	Select one:
	of 1.00	a. True ✓
		O b. False
		The correct answer is: True

Select one: a. All of the above b. Efficient use of memory c. Speedy allocation of memory d. Speedy deallocation of memory
 b. Efficient use of memory c. Speedy allocation of memory d. Speedy deallocation of memory
c. Speedy allocation of memoryd. Speedy deallocation of memory
c. Speedy allocation of memoryd. Speedy deallocation of memory
d. Speedy deallocation of memory
The correct answer is: All of the above
Which of the following header files must necessarily be ncluded to use dynamic memory allocation functions?
Select one:
a. memory.h
b. stdlib.h ✓
c. stdio.h
O d. dos.h
The correct answer is: stalib.h
Which of the following signals are generated from the nardware?
Select one:
a. SIGILL
○ b. SIGSEGV
○ c. SIGFPE
□ d. SIGPE, SIGILL, SIGSEG ✓
The correct answer is: SIGPE, SIGILL, SIGSEG

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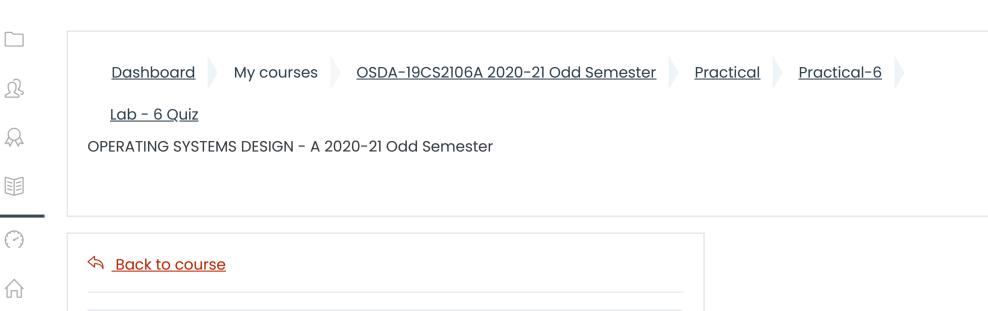
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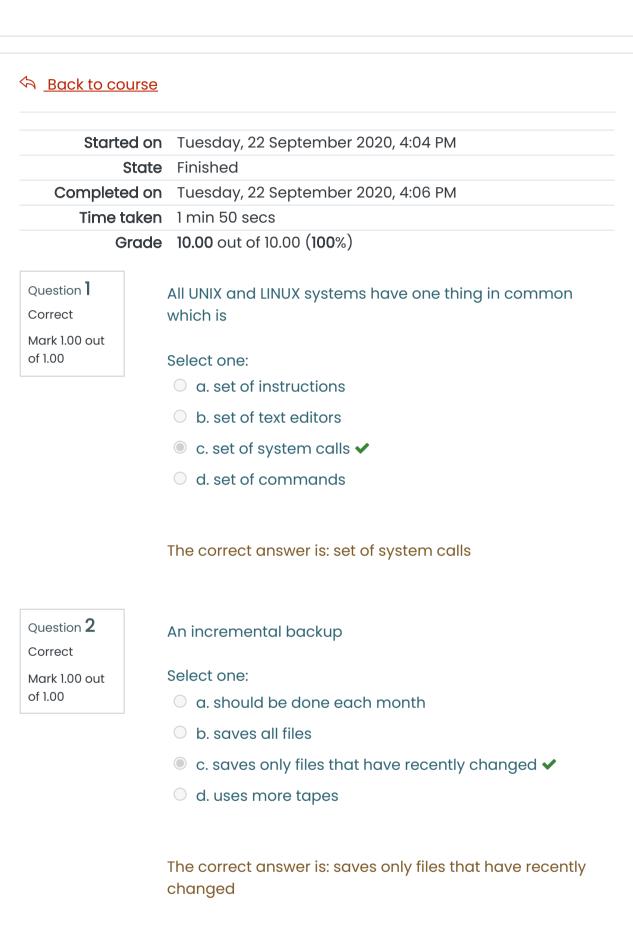
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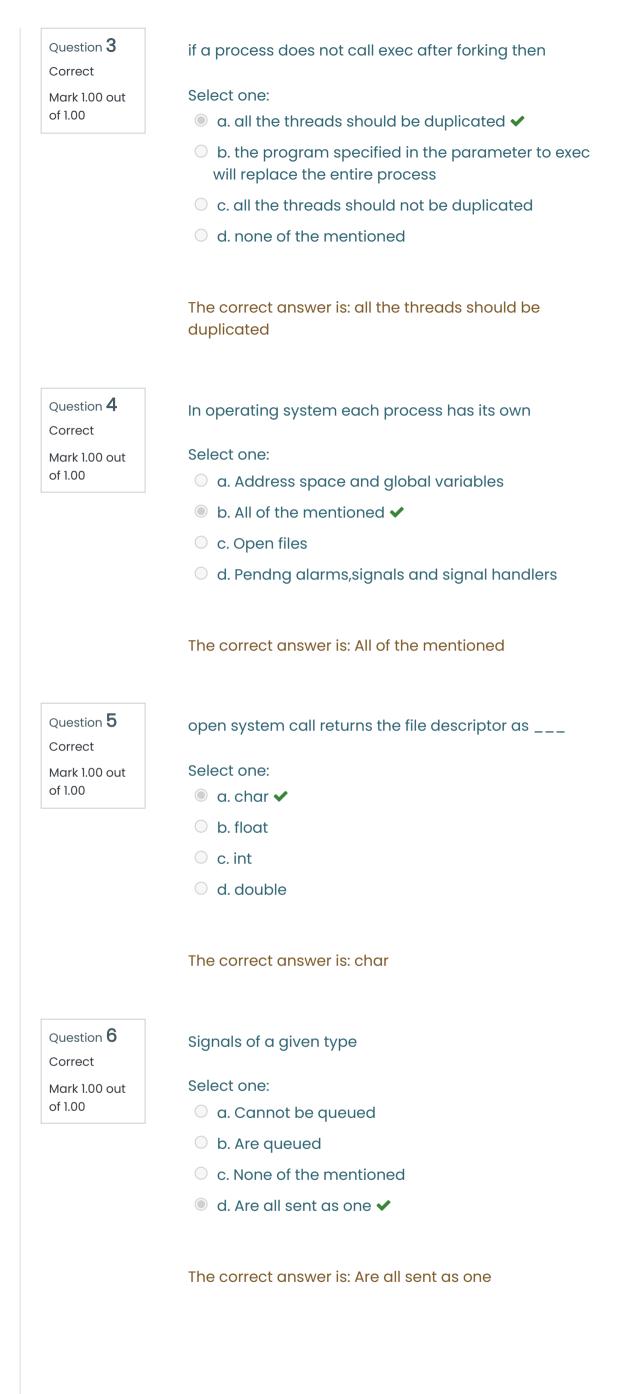
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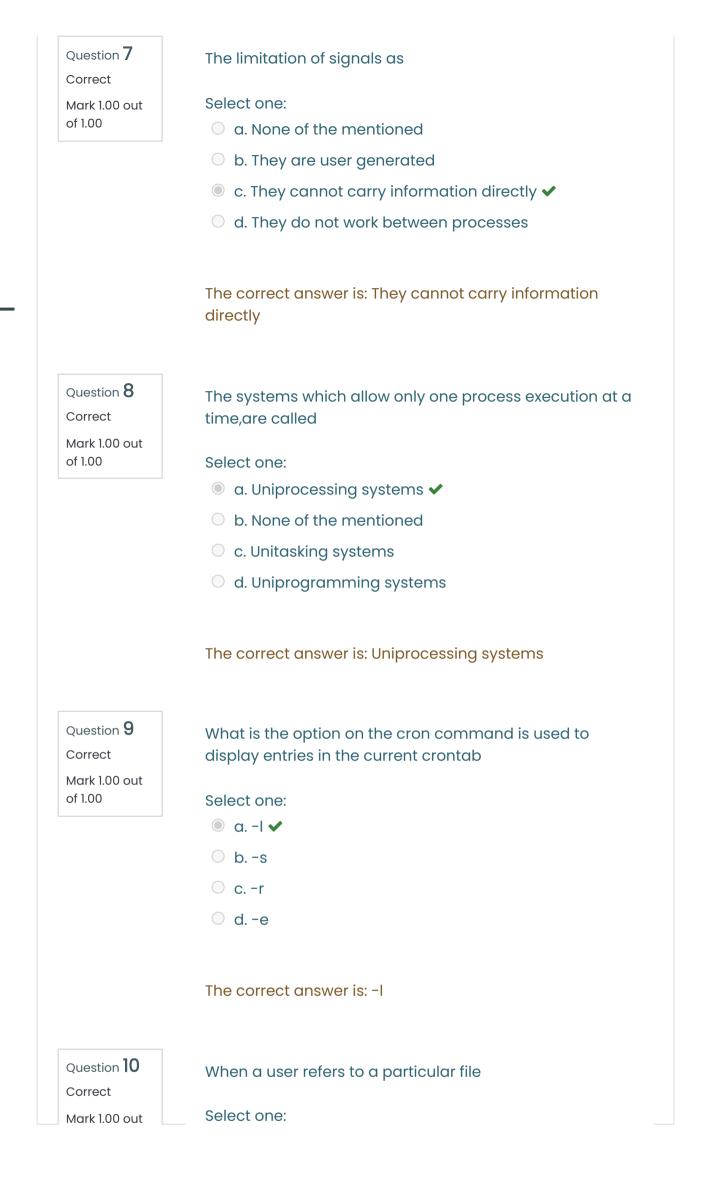
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