

Operating Systems - Revision Test

Revision Quiz for Operating Systems, Fall Semester

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✉ Δεν κοινοποιήθηκε

* Υποδεικνύει απαιτούμενη ερώτηση

True or False? The role of the X display server is to handle user I/O. *

1 βαθμός

True

False

What is the purpose of the 'whoami' Linux command? *

1 βαθμός

To check for active processes

To display the current user

To display system time

To trigger an existential crisis

True or False? Pipes allow for bidirectional IPC. *

1 βαθμός

True

False



What does 'vi' refer to in Linux? *

1 βαθμός

- A text editor
- A shell type
- A system process
- None of the above

What functionality does DNS offer? *

1 βαθμός

- Map IP to MAC addresses
- Map IP addresses to domain names
- Map domain names to IP addresses
- Map domain names to MAC addresses

How can you access the Linux manual pages? *

1 βαθμός

- Using the 'manual' command
- Using the 'man' command
- Using the 'pages' command
- All of the above



What are POSIX message queues use for in Linux? *

1 βαθμός

- Exchange of social media messages
- Network sockets management
- IPC
- Bilateral system users communications

Which of the following gives read, write and execution rights to the owner * 1 βαθμός of the file 'foo.bar' and their group and only read rights to others?

- chmod 777 foo.bar
- chmod 755 foo.bar
- chmod 775 foo.bar
- chmod 774 foo.bar

Which Linux command can schedule a task at a specific time? *

1 βαθμός

- at
- task
- cd
- mkdir



What is the wait() system call used for? *

1 βαθμός

- To wait for state changes in a child process
- To wait for state changes in a parent process
- To wait for state changes in another process
- To wait for something to happen, in general

Which of the following tests for integer equality in shell scripting? *

1 βαθμός

- =
- ==
- eq
- eq

Which system call is used to remove a named semaphore in Linux? *

1 βαθμός

- sem_destroy()
- sem_remove()
- sem_unlink()
- sem_close()



What is the purpose of the 'uname' command in Linux? *

1 βαθμός

- Remove the name of a user
- Remove the name of the system
- Display all unnamed users
- Display system information

Which of the following IPC mechanisms allows process communication over networks?

* 1 βαθμός

- Sockets
- Semaphores
- Shared memory
- Pipes

What is the purpose of the pipe() system call in Linux? *

1 βαθμός

- Allows handling irrigation pipes through the system
- Allows unidirectional communication between system processes
- Allows unidirectional communication between threads
- None of the above



Which of the following can be accomplished using message queues? *

1 βαθμός

- Bilateral communication through network sockets
- Bilateral communication through files
- Bilateral communication between processes
- All of the above

What is exec() system call used for? *

1 βαθμός

- To request the system to execute a child process
- To request the system to execute the systems process
- To request the system to execute an executable file
- All of the above

Which Linux command reports or omits repeated lines? *

1 βαθμός

- rev
- uniq
- for
- chown



What does the 'du' Linux command do? *

1 βαθμός

- Displays derived users
- Displays down time
- Displays damaged user files
- Displays disk usage

What does 'Ctrl + C' do in a Linux shell? *

1 βαθμός

- Terminate a background process
- Terminate a foreground process
- Terminate any process
- Terminate the shell session

Which Linux command can be used for creating a new file? *

1 βαθμός

- mkdir
- touch
- ls
- grep



How to delete a pipe with Linux system calls? *

1 βαθμός

- delete()
- close()
- kill()
- destroy()

Which of the following is the most adequate description of a semaphore? * 1 βαθμός

- File descriptor
- Process identifier
- Socket identifier
- Integer synchronisation variable

True or False? The system call dispatcher handles user system calls. *

1 βαθμός

- True
- False



Which of the following can be used for searching specifically for fixed strings in a file?

* 1 βαθμός

- grep
- egrep
- fgrep
- None of the above

What does the 'cat' command do in Linux? *

1 βαθμός

- Print an ASCII-art cat on the screen
- Concatenates two files
- Shows the contents of a file
- None of the above

What is the purpose of the netstat command in Linux? *

1 βαθμός

- To display network connections
- To display routing tables
- To display network interface statistics
- All of the above



What does 'rm -fr *' do? *

1 βαθμός

- Remove all French-related packages
- Deletes all subdirectories recursively
- Deletes the current directory only
- None of the above

Which system call converts an IPv4 address from text to binary? *

1 βαθμός

- inet_bin()
- inet_addr()
- inet_from_text()
- All of the above

Which command can change the prioritisation of system processes? *

1 βαθμός

- nice
- prioritise
- prior
- ugly



What is the purpose of semaphores in Linux? *

1 βαθμός

- Interprocess Communication
- Process Synchronisation
- Memory Management
- Process Profiling

What is the purpose of the 'tail' Linux command? *

1 βαθμός

- To present the last line of a file
- To present the last 5 lines of a file
- To present the last 10 lines of a file
- To present the last 20 lines of a file

What does "\$#" do in Linux? *

1 βαθμός

- Checks for the total number of arguments passed to a function / script
- Computes the total number of files within the current directory
- Checks for the total number of commands executed in this session
- None of the above



What is the purpose of the P(S) semaphore operation? *

1 βαθμός

- Release the semaphore after checking a condition
- Increase the semaphore value after checking a condition
- Decrease the semaphore value after checking a condition
- Check if the semaphore is locked

True or False? The X display manager manages user sessions. *

1 βαθμός

- True
- False

Which Linux command can be used for listing all files / directories within a * 1 βαθμός certain directory?

- mkdir
- touch
- ls
- grep



Which Linux command can specify commands to run in response to certain signals?

* 1 βαθμός

- sig
- start
- sigstart
- trap

Which Linux command can end a terminal session? *

1 βαθμός

- end
- done
- gone
- exit

What is the purpose of the fork() system call in Linux? *

1 βαθμός

- To create a new thread
- To create a new process
- To create multiple threads at the same time
- to create multiple processes at the same time



What is the purpose of sem_open() system call? *

1 βαθμός

- To open a new named semaphore
- To close a new named semaphore
- To get the value of a named semaphored
- All of the above

How to change a Linux user's password? *

1 βαθμός

- passwd
- userdel
- chggrp
- None of the above

How to reposition the read / write file offset in Linux *

1 βαθμός

- reposition()
- file_offset()
- lseek()
- fopen()



What is the purpose of the 'diff' Linux command? *

1 βαθμός

- To compare files line by line
- To join two different files
- To extract line sections
- To merge lines of files

Which Linux command can be used to display the current directory? *

1 βαθμός

- mkdir
- dir
- pwd
- ls

What is the segment table used for in virtual memory management? *

1 βαθμός

- Dynamic memory allocation
- Segment removal from shared memory
- Mapping segments to memory pages
- None of the above



How to append output of a command to a file? *

1 βαθμός

- >>
- >
- <
- <<

Which symbol executes the command preceding it on condition of its successful execution?

* 1 βαθμός

- &
- \$
- &&
- \$\$

Which Linux command can be used for creating a new directory? *

1 βαθμός

- mkdir
- touch
- ls
- grep



In Linux a Daemon refers to: *

1 βαθμός

- A metaphysical entity
- A way to organise files on disk
- A certain type of superuser
- A background process

What does '\$' stand for in Linux terminal commands? *

1 βαθμός

- A variable
- Money
- A shell session
- None of the above

Which of the following tests for string equality in shell scripting? *

1 βαθμός

- =
- ==
- eq
- eq



What is the purpose of the Address Resolution Protocol (ARP)? *

1 βαθμός

- Map MAC to IP addresses
- Map IP to MAC addresses
- Map IPv6 to IPv4 addresses
- Map IPv4 to IPv6 addresses

Which Linux command can display information about currently logged in users?

* 1 βαθμός

- what
- who
- whoarethey
- whoami

Which of the following system calls is used to request the kernel to execute an executable file?

* 1 βαθμός

- run()
- execl()
- kickstart()
- execute()



How to read from a file descriptor in Linux? *

1 βαθμός

- read()
- write()
- learn()
- study()

Υποβολή

Σελίδα 1 από 1

Εκκαθάριση φόρμας

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