

Best Quiz 1



RollNO 09-SE-47 NAME MUHAMMAD JABBAR

OS QUIZ-1c

Email ID _____

TIME: 20min

17.45
20

Q-1 Fill in the blanks

1. On PC turn on, the kernel is loaded into memory by boot strap.
2. echo \$path shell command will show environment variable PATHS on the terminal
3. i586 represents 32 bits kernel
4. rmdir shell command is used to remove directory 4.5
5. rm shell command is used to remove file

Q-2 Write Abbreviations

1. LVM Logical Volume manager
2. GRUB GNU GRand Unified Boot loader 4.2
3. CLI Command Line Interface
4. EEPROM Electrically Erasable Programmable Read Only Memory
5. SATA Serial ATA technology attachment

Q-4 What is a swap partition and its usage?

Swap partition (250) MB. This is the partition used to store or remove data that does not fit in main memory. It move data in and out from main memory.

Q-5 There are two folder on Desktop SE1 and SE2 having file TXTSE_1.txt and TXTSE_2.txt respectively copy using relative paths TXTSE_2.txt to SE1 and TXTSE_1.txt to SE2 ?

pwd : /home/selab/Desktop/SE1

`$ cp TXTSE1.txt ../SE2` 2.5 good

`$ cp ../SE2/TXTSE2.txt ./`

Q-6 Write shell command to cut paste files name.txt on the Desktop in folder NAMES using relative and absolute paths?

pwd : /home/selab/Desktop/Mainfolder/subfolder

~~`$ mv /home/selab/Desktop`~~ 2

`$ mv name.txt /home/selab/Desktop/NAMES`

~~`$ mv name.txt`~~ `$ mv name.txt ../NAMES`

Q-7 What following commands will do

✓ `find -name '*.*' -size +1000k` search any name file of size greater than 1000k and any directory and subdirectories

`mv f1 f2`

`mv f1 f2` rename folder f1 to f2.

`ls -a /home/selab/Desktop`

Display the hidden content file on the Desktop than begin with (.).
✓ `cd -`

ans → change to the previous working directory (3.5)

Q-8 Differences between Synchronous and Asynchronous I/O Methods?

19.5 good

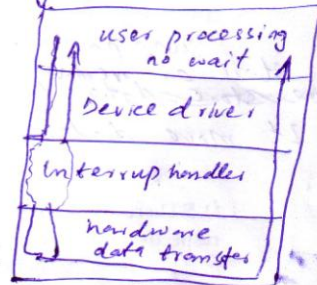
In ~~the~~ synchronous I/O method: After I/O starts the control return to user mode only upon I/O completion. In this I/O method only one instruction is outstanding at a time, no simultaneous I/O instruction. But while

In Asynchronous I/O method: After I/O starts the control return to user program without I/O completion. System call to operating system to allow user to wait I/O. Device status table for entry indicating type, status and address of device.

Synchronous



while in synchronous



Q-9 What is a process, List the process management activities?

Ans: ~ A program in running is called process.

process is active but program passive

A single thread has a program counter. Indicating next instructions. But in multi thread process separate program counter for each process, process execute instructions sequentially. process needs resources to accomplish task i.e. CPU, memory, I/O device etc.

↳ process management activity

- * create and delete both user and kernel processes
- * resume and suspend process
- * Creating a mechanism for process sync.
- * Creating a mechanism for process communication
- * Creating a mechanism for deadlock handling.

9.5

Average Quiz 1



RollNO 09-SE-24 NAME USMAN SHAFI
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OS QUIZ-1c
 TIME: 20min

19.35
 20

Q-1 Fill in the blanks

1. On PC turn on, the kernel is loaded into memory by bootstrap
2. k shell command will show environment variable PATHS on the terminal
3. i586 represents 32 bits kernel
4. rm -d shell command is used to remove directory
5. rm shell command is used to remove file

Q-2 Write Abbreviations

1. LVM Logical Volume Manager
2. GRUB GNU GRAND UNIFIED ROOT LOADER
3. CLI COMMAND LINE INTERFA
4. EEPROM Electrically Erasable Programmable Read ONLY MEMORY
5. SATA SERIAL ATA

Q-4 What is a swap partition and its usage?

Swap partition is used as a ^{process} virtual memory when no other memory are available. In other words, when no ^{already} physical memory (RAM) is available on which ^{already} CPU is processing then virtual memory is allocated to run a process. we allocate virtual memory in VM requests to allocate to host processes during on a system.

Q-5 There are two folder on Desktop SE1 and SE2 having file TXTSE_1.txt and TXTSE_2.txt respectively copy using relative paths TXTSE_2.txt to SE1 and TXTSE_1.txt to SE2 ?

pwd: /home/selab/Desktop/SE1
~~cp ../SE2/TXTSE-1.txt~~
~~cp TXTSE-1.txt/SE2/TXTSE-1.txt~~
~~cp TXTSE-2.txt/SE1/TXTSE-1.txt~~
~~cp ~~TXTSE-1.txt~~/SE2/TXTSE-1.txt/~~

Q-6 Write shell command to cut paste files name.txt on the Desktop in folder NAMES using relative and absolute paths?

pwd: /home/selab/Desktop/Mainfolder/subfolder

USING RELATIVE PATHS
~~mv name.txt/NAMES/name.txt~~
 mv name.txt/Desktop/NAMES/name2.txt

USING ABSOLUTE PATHS
 mv name.txt

e.g. name1.txt (size 100k)
 name2.txt

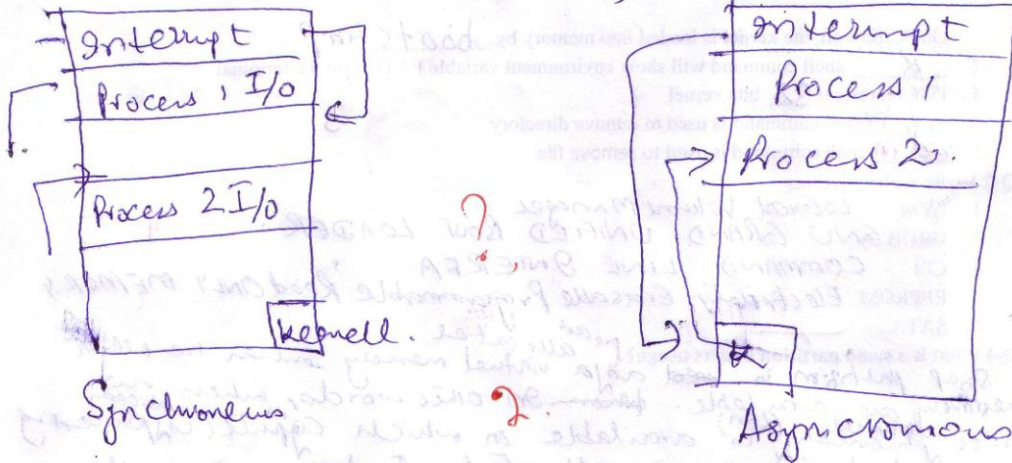
Q-7 What following commands will do

- find -name '*' -size +1000k list the files in directory starting name with name and with size 1000k.
- mv f1 f2 move f1 directory in the directory f2.
- ls -a /home/selab/Desktop list all the directories on the desktop with hidden directories
- cd - list the show the current working directory

2.8

Q-8 Differences between Synchronous and Asynchronous I/O Methods?

In Synchronous I/O Method, when I/O ~~with~~ ^{6/20} Interrupt occurs then there is no interleaving of kernel. ~~Disk Controller~~ and shared space is used. In asynchronous kernel is involved. and interrupt handling



Q-9 What is a process, List the process management activities?

Process is an active entity. when certain I/O interrupt or conflict is invoked then system calls are generated. In response to these system calls ~~interrupt~~ processes are created to respond to these system calls either from input/output or

Process management Activities:

- + (1) File Manipulation.
- + (2) Protection Security
- (3)
- (4)
- (5)

Below Average Quiz -1



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OS QUIZ-1c

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TIME:20min

6.4
20

Q-1 Fill in the blanks

1. On PC turn on, the kernel is loaded into memory by bioore / bootstrap
2. env shell command will show environment variable PATHS on the terminal
3. i586 represents 32 bits kernel
4. rm shell command is used to remove directory 2
5. rm shell command is used to remove file

Q-2 Write Abbreviations

1. LVM
2. GRUB
3. CLI command line interface 1.8
4. EEPROM Electronic Erasable Permanent Read only memory.
5. SATA

Q-4 What is a swap partition and its usage?

usage

Q-5 There are two folder on Desktop SE1 and SE2 having file TXTSE_1.txt and TXTSE_2.txt respectively copy using relative paths TXTSE_2.txt to SE1 and TXTSE_1.txt to SE2 ?

pwd : /home/selab/Desktop/SE1

0-1 mv TXTSE_2.txt TXTSE_1.txt /home/selab/Desktop/SE1

Q-6 Write shell command to cut paste files name.txt on the Desktop in folder NAMES using relative and absolute paths?

pwd : /home/selab/Desktop/Mainfolder/subfolder

Q-7 What following commands will do

find -name * -size +1000k search the name of size 1000k

mv f1 f2 move f1 to the location of f2 ?

ls -a /home/selab/Desktop show the desktop

cd - change the directory 0.5

Q-8 Differences between Synchronous and Asynchronous I/O Methods?

0.5
20

Q-9 What is a process, List the process management activities?

0.2