

OS_QUIZ-06 MCQs:

Q. _____ is an unique identifier of each file in a filesystem.

- A. File Name
- B. File Address
- C. iNode Number
- D. File ID

Answer: C

Q. Which of the following block of filesystem contains information about filesystem i.e. metadata

- A. Master File Table
- B. Data Block
- C. Boot Block
- D. Volume Control Block

Answer: D

Q. Which command puts a script to sleep until a signal is recieved?

- A. sleep
- B. suspend
- C. disown
- D. break

Answer: B

Q. What is the output of following command?

```
#!/bin/bash
echo "Which file do you want to check"
read filepath
until [ -e $filepath ]
do
    echo "The file does not exist. Do you want to create?      y/n"
    read ans
    if [ $ans = y ];
    then
        touch $filepath
        echo "Your file has been created successfully."
    fi
done
echo "The file is present in this directory"
exit 0
```

- A. it checks the existance of your entered file in the present working directory
- B. it creates the file if file does not exists
- C. program runs untill you create the file
- D. all of the mentioned

Answer: D

Q. Which of the following command is used to display contents of an iNode of a file?

- A. stat -i filepath
- B. stat -f filepath
- C. stat -a filepath
- D. stat filepath

Answer: D

Q. In which of the following disk space allocation method there is external fragmentation?

- A. Direct Allocation
- B. Linked Allocation
- C. Contiguous Allocation
- D. Index Allocation

Answer: C

Q. Which of the following command is used to create a filesystem in Windows?

- A. mkfs
- B. createfs
- C. format
- D. all of the above
- E. none of the above

Answer: C

Q. Internal fragmentation in a disk space can be reduced by reducing _____.

- A. physical block size
- B. logical block size
- C. size of the file
- D. no. of inodes in a filesystem

Answer: B

Q. Read permissions on a directory file enables to apply _____ command on it

- A. cd
- B. mkdir
- C. ls
- D. all of the above

Answer: C

Q. No. of positional parameters can be print in a script by using ____ .

- A. \$0
- B. \$?
- C. \$#
- D. \$*

Answer: C

Q. Which of the following test command is used in shell scripts to check whether given filepath is valid or not?

- A. -v filepath
- B. -i filepath
- C. -e filepath
- D. -c filepath

Answer: C

SunBeam