Midsem SAFE Quiz

- Syllabus
  - Unix Command Line
  - Bash Scripting
  - Sed-Awk
  - HTML, CSS, Javascript
  - Git
- Correct answers are shown in green color.

Question: 1   Marks: 0.0 / 2.0

Which of the following is true of git, select all that apply.

● A. Git is based on a centralized architecture

○ B. Users can directly edit files in the repository

○ C. Git "checkout" command pulls from origin repository

○ D. Git "commit" can commit files from both the working directory as well as staging area to the repository as per specified options

Answer Explanation:

←   →

Question: 2   Marks: 2.0 / 2.0

Which of the following is true of git, select all that apply.

○ Git status can show the commit history of a file

○ git show :file1.txt shows the content of file1.txt in the HEAD commit

● git diff <commit>: shows the diff between the current working directory and the <commit>

○ The command "git branch" creates a new branch

○ Once you do git merge of a branch to a master, the branch is deleted!

Answer Explanation:

←   →

Marks: 2.0 / 2.0

Which of the following is true of HTML? Select all that apply

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☐ In the code: <p style="color:red;">This is a red paragraph.</p>; </p> is an attribute

☑ <p> does not preserve spaces and breaklines in the paragraph

☐ # is used to comment a line

☑ <a> element is used to define links

☐ <td> is used to specify headers in a table

Answer Explanation:

← →

Which of the following is true of CSS/Javascript? Select all that apply

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☐ <style> element links to an external CSS file

☐ The browser considers whatever is written between <code> and </code> tags as Javascript code and runs it

☑ <noscript> tag defines an alternate content to be displayed to users that have

☐ disabled scripts in their browser

☑ In javascript, document.getElementById(...) gets the element that matches the id

☐

Answer Explanation:

Which of the following is true of awk? Select all that apply

☑ The built-in variable FS is input field separator

☐ The begin segment is compulsory in awk

☐ Default record separator is space

☑ $0 represents the entire record line awk is processing

Answer Explanation:

←   →

Question: 6
Marks: 2.0 / 2.0

Suppose cat list | wc -l at a terminal prints 16; what would sed '1,5p' list | wc -l print?

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21

Answer: 21.0 - 21.0

Answer Explanation:

← →

Question: 7   Marks: 0.0 / 2.0

Which of the following is true of bash? Select all that apply.

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☐ A file abc.sh which has permissions -rw-rw-r– can be run by typing ./abc.sh in the folder the file is in.

☑ $# specifies the number of arguments given to a bash script

☑ Arrays are declared via -a command

☑ If a bash script calls another bash script (child) from within, all the variables are automatically exported and available for use within the child

Answer Explanation:

Question: 8   Marks: 2.0 / 2.0

Suppose in a bash script you assign a variable as given below; note there are 4 spaces between abc and 123. Which of the following will print the same exact string with the correct number of spaces? Select all that apply

x="abc   123"

○ echo x

○ echo $x

● echo "$x"

○ echo '$x'

Answer Explanation:

Question: 9   Marks: 2.0 / 2.0

Which of the following are true of unix command line arguments? Select all that apply.

☐ su is used to prefix a specific command that has to be run with superuser privileges

☐ In regex, "?" Match the preceding item zero or more times

☐ "which" command specifies the version of a given command

☑ "find" command locates files/directories with known pattern

☑ Standard error file descriptor is 2

☐

Answer Explanation:

Question: 10   Marks: 0.0 / 2.0

Suppose you are user kc and you are inside your home directory. Within the directory there is a path for folder cs104/unix/commands/. If you want to land inside the commands folder, which all will work from the home directory?

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☐ cd commands

☑ cd ~/cs104/unix/commands

☑ cd /home/cs104/unix/commands

☑ cd cs104/unix/commands

Answer Explanation:

←   →