

## E3.1.2 - quiz - Shell Script Elements Part 2

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Seat 99 (Grade level 13)

Cyber Capstone

0. What is the primary purpose of a while loop in shell scripting?

- A. Executes a set of commands as long as a specified condition is false.
- B. Executes a set of commands as long as a specified condition is true.
- C. Iterates over a sequence of numbers.
- D. Executes a set of commands until a specified condition is met.

\_\_\_ <- Type answer here

1. What does the | (Pipe) command do in shell scripting?

- A. Connects the output of one command as the input to another command.
- B. Executes the command following it ONLY IF the preceding command fails.
- C. Redirects standard output to a file.
- D. Appends the standard output to the end of a file.

\_\_\_ <- Type answer here

2. When does the || (OR) command execute the command following it?

- A. Only if the preceding command succeeds.
- B. Only if the preceding command fails.
- C. Regardless of the success or failure of the preceding command.
- D. Only if the file specified in the command exists.

\_\_\_ <- Type answer here

3. What does the > (Output Redirection) command do in shell scripting?

- A. Redirects the standard output to a file, overwriting it if it exists.
- B. Appends the standard output to the end of a file.
- C. Redirects the input from a file to a command.
- D. Combines standard output and standard error to a specified file.

\_\_\_ <- Type answer here

4. How does the << (Here Document) command function in shell scripting?

- A. Redirects standard output to a specified file.
- B. Allows multiple lines to be put into a command.

- C. Combines standard output and standard error to a specified file.
- D. Redirects the input from a file to a command.

\_\_\_ <- Type answer here

5. What does the &> (Ampersand) command do in shell scripting?
- A. Combines standard output and standard error to a specified file.
  - B. Makes a command run in the background.
  - C. Redirects the input from a file to a command.
  - D. Executes the command following it ONLY IF the preceding command succeeds.

\_\_\_ <- Type answer here

6. When does the && (AND) command execute the command following it?
- A. Only if the preceding command fails.
  - B. Only if the preceding command succeeds.
  - C. Regardless of the success or failure of the preceding command.
  - D. Only if the file specified in the command exists.

\_\_\_ <- Type answer here

7. What is the primary purpose of exit codes in shell scripting?
- A. To redirect output and errors to different files.
  - B. To indicate success or failure of a command.
  - C. To connect the output of one command to another.
  - D. To iterate over a sequence of numbers.

\_\_\_ <- Type answer here

8. Which numeric value typically signifies success in exit codes?
- A. 0
  - B. 1
  - C. 255
  - D. -1

\_\_\_ <- Type answer here

9. What are shell built-in commands in shell scripting?
- A. Separate executable files.
  - B. Commands that execute in the background.
  - C. Commands that are part of the shell itself.
  - D. Commands for input redirection.

\_\_\_ <- Type answer here

10. What is the purpose of the read command in shell scripting?

- A. To redirect input from a file to a command.
- B. To execute commands from a file in the current shell environment.
- C. To print text or variables to the standard output.
- D. To read input from the user or from a file.

\_\_\_ <- Type answer here