

Graded Quiz: Shell Scripting

1. Shell scripts are scripts that invoke a shell program. Which of the following invokes the Bourne shell program?

1 / 1 point

- ☒ #!/bin/sh
- ☐ #!/bin/bash
- ☐ #!/bin/ksh
- ☐ #!/bin/zsh

✓ Correct

Correct! This invokes the Bourne shell or other compatible shell program from the bin directory.

2. What is one benefit of shell scripts over compiled languages?

1 / 1 point

- ☐ Shorter runtimes
- ☒ Easier and faster to develop
- ☐ Listed line by line in text files
- ☐ Interpreted at runtime

✓ Correct

Correct! Scripts are generally slower to run than compiled languages, but they are also much easier and faster to develop.

3. Which symbol is used for chaining filter commands?

1 / 1 point

- ☐ colon :
- ☒ vertical bar |
- ☐ equals sign =
- ☐ plus sign +

✓ Correct

Correct! The pipe symbol allows you to chain together sequences of filter commands.

4. What results from chaining filters together?

1 / 1 point

- ☒ Pipeline
- ☐ Multi-use script
- ☐ Loader
- ☐ Net

✓ Correct

Correct! Filters are chained together to produce a pipeline.

5. What symbol do you use to define a shell variable?

1 / 1 point

- ☐ plus sign +
- ☐ dollar sign \$
- ☒ equal sign =
- ☐ greater than symbol >



Correct

Correct! Use the equal sign to assign a value to your variable name.

6. Which command lists all environment variables?

1 / 1 point

- ☐ export
- ☒ env
- ☐ grep
- ☐ -env



Correct

Correct! This command lists all environment variables.

7. Which of the following is a cron job syntax?

1 / 1 point

- ☐ time day date command
- ☐ command m h dom mon dow
- ☒ m h dom mon dow command
- ☐ crontab -e



Correct

Correct! This is the cron job syntax.

8. Scheduling cron jobs involves a series of steps. Which command opens the crontab configuration file using the default text editor?

1 / 1 point

- ☒ crontab -e
- ☐ cat crontab
- ☐ edit crontab
- ☐ crontab



Correct

Correct! Enter crontab -e on the command line to open the default text editor.

9. Quoting specifies whether the shell should interpret special characters as metacharacters, or 'escape' them. When used in conjunction with the echo command, which one of the following statements is true?

1 / 1 point

- ☐ Double quotes are used to interpret all contents as literal characters
- ☐ You can use the backslash "\ " to interpret a single character as a metacharacter
- ☒ Single quotes are used to interpret all contents as literal characters.
- ☐ The backslash "\ " will not escape metacharacters when used within single quotes.

✓ **Correct**
Correct! This is a true statement

10. I/O redirection is a set of features that redirect either the standard input or the standard output. Which symbol redirects an error message to a file?

1 / 1 point

- ☐ >
- ☐ >>
- ☒ 2>
- ☐ <

✓ **Correct**
Correct! This symbol redirects an error message to a file.