14.2.7 Practice Questions

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Date: 12/8/2022 9:02:11 pm • **Time Spent:** 00:33

Score: 100%   Passing Score: 80%

▼ **Question 1:**   ✔ Correct

While writing a shell script, you want to perform some arithmetic operations.

Which of the following commands is used to create an integer variable?

    ◯ **set** *variablename*

    ◯ *variablename* **integer;**

➡ ◉ **declare -i** *variablename*

    ◯ *variablename(integer)*

Explanation

declare -i *variablename* will create a variable named *variablename* where the type is integer (whole numbers only).

References

▷ **2.5.1 Environment Variables**

🖰 **2.5.2 Manage Environment Variables**

≔ **2.5.3 Environment Variable Facts**

▷ **14.1.1 Bash Scripting Overview**

▷ **14.1.2 Bash Script Execution**

▷ **14.2.1 Bash Shell Environments and Shell Variables**

▷ **14.2.2 Bash Shell Parameters, User Variables and Expansions**

🖰 **14.2.3 Bash Shell Variables and Parameters**

🖰 **14.2.4 User Variables and Shell Arithmetic**

🖰 **14.2.5 Arrays and Expansions**

≔ **14.2.6 Shell Environments, Bash Variables and Parameters Facts**

q_env_var_param_lp5_declare.question.fex

▼ **Question 2:**   ✔ Correct

Which of the following describes the function of the **export** command?

○ Makes the command history available to a child process.

○ Makes a mount point available to a remote server.

➡ ◉ Sets environment variables.

○ Spawns a new subshell for command execution.

Explanation

The **export** command sets or converts a shell variable into an inheritable environment variable.

References

▷ **2.5.1 Environment Variables**

🖳 **2.5.2 Manage Environment Variables**

▤ **2.5.3 Environment Variable Facts**

▷ **14.1.1 Bash Scripting Overview**

▷ **14.1.2 Bash Script Execution**

▷ **14.2.1 Bash Shell Environments and Shell Variables**

▷ **14.2.2 Bash Shell Parameters, User Variables and Expansions**

🖳 **14.2.3 Bash Shell Variables and Parameters**

🖳 **14.2.4 User Variables and Shell Arithmetic**

🖳 **14.2.5 Arrays and Expansions**

▤ **14.2.6 Shell Environments, Bash Variables and Parameters Facts**

q_env_var_param_lp5_export.question.fex

▼ Question 3:   ✔ Correct

A script named **myscript** contains the following command line:

`echo $1 $2 $3`

The following command is typed in an interactive shell.

`myscript dog cat bird frog`

Which of the following will be displayed in the interactive shell?

➡ ⦿ dog cat bird

◯ frog bird cat

◯ dog

◯ dog cat bird frog

Explanation

The command line references three positional parameters, $1 $2 and $3. When the script is run it is given four arguments. The script only echoes the first three positional parameters and ignores the rest.

References

▷ **14.2.2 Bash Shell Parameters, User Variables and Expansions**

⌨ **14.2.3 Bash Shell Variables and Parameters**

☰ **14.2.6 Shell Environments, Bash Variables and Parameters Facts**

q_env_var_param_lp5_params.question.fex

▼ Question 4:   ✔ Correct

You are working with a bash script, and there are multiple variables being used.

Which of the following commands can be used to determine which commands are environment variables and which are shell variables? (Choose TWO).

➡ ☑ **set**

☐ **export**

➡ ☑ **printenv**

☐ **cat .bash_rc**

☐ **declare**

Explanation

One way to see the difference between environment variables and shell variables is to run two commands, **printenv** and **set**, and compare the results.

- The **printenv** command lists only environment variables.
- The **set** command lists all variables, including environment variables.

References

🗒 **14.2.6 Shell Environments, Bash Variables and Parameters Facts**

q_env_var_param_lp5_shell_vars.question.fex

▼ Question 5:   ✔ Correct

Which of the following commands deletes a variable?

- ○ **typeset -r**
- ○ **declare -r**
- ○ **rm**
- ➡ ◉ **unset**

Explanation

You can delete a variable using the **unset** command.

rm is used for file and directory delete operations.

declare -r and **typeset -r** are used to make a variable read-only.

References

▷ 2.5.1 Environment Variables

▨ 2.5.2 Manage Environment Variables

☰ 2.5.3 Environment Variable Facts

▷ 14.1.1 Bash Scripting Overview

▷ 14.1.2 Bash Script Execution

▷ 14.2.1 Bash Shell Environments and Shell Variables

▷ 14.2.2 Bash Shell Parameters, User Variables and Expansions

▨ 14.2.3 Bash Shell Variables and Parameters

▨ 14.2.4 User Variables and Shell Arithmetic

▨ 14.2.5 Arrays and Expansions

☰ 14.2.6 Shell Environments, Bash Variables and Parameters Facts

q_env_var_param_lp5_unset.question.fex