



Time = 10 minutes

Quiz 04

Max Points: 100

For each of the following questions, select only one correct answer from the multiple choices provided:

[Question 01] In order to extract text from the first column of file called textfile, which command would you use:

- a) `cat {$1,textfile}`
- b) `cat textfile | awk [print $1]`
- c) `cat textfile | awk '{print $1}'`
- d) `awk textfile {print $1}`

[Question 02] What happens if you use the “set -e” in a Bash script?

- a) It will cause Bash to exit if a function or subshell returns a nonzero status code
- b) It will cause Bash to exit if a conditional returns a non-zero status code
- c) It will cause Bash to exit if local, declare, or typeset assignments return a nonzero status code
- d) It will cause Bash to exit if a command, list of commands, compound command, or potentially a pipeline returns a nonzero status code

[Question 03] What Bash script will correctly create these files?

- a) `touch file{1+10}.txt`
- b) `touch file{1-10}.txt`
- c) `touch file{1..10}.txt`
- d) None of the above

[Question 04] If file.sql holds SQL statements to be executed, what will be in file.txt after running the following command?

`mysql < file.sql > file.txt`

- a) A copy of the contents of file.sql
- b) An error indicating that this is invalid syntax
- c) The error output of the MySQL command
- d) The non-error output of the MySQL command

[Question 05] When used from within a script, which variable contains the name of the script?

- a) `$@`
- b) `$$`
- c) `$#`
- d) `$0`

[Question 06] What does the asterisk represent in this statement?

```
#!/usr/bin/env bash
```

```
Case $num in
```

```
1)
```

```
echo "one"
```

```
; ;
```

```
2)
```

```
echo "two"
```

```
; ;
```

```
*)
```

```
echo "a mystery"
```

```
; ;
```

- a) A case only for what happens when the asterisk character is passed into the script
- b) A case that matches any value, providing a default option if nothing else catches that value
- c) The action of all of the other cases combined together
- d) An action that is taken for any input, even if it matches a specified condition

[Question 07] Which statement checks whether the variable num is greater than five?

- a) ((\$num -gt 5))
- b) [[\$num -lt 5]]
- c) ((\$num > 5))
- d) \$num > 5

[Question 08] Which keyword pauses the script to get input from the standard input

- a) get
- b) argument
- c) read
- d) input

[Question 09] Which variable would you check to verify that the last command executed successfully?

- a) \$\$
- b) \$?
- c) \$!
- d) \$@

[Question 10] Using "awk", what would the output of this command string be?

```
echo "1 2 3" | awk '{for (i=1; i<=NF; i++) s=s+$i};END {print s}'
```

- a) 123
- b) 3
- c) 6
- d) 600