

1. Which of the following are valid ways to comment out lines in a bash script?

- (a) `# This is a comment`
- (b) `// This is a comment`
- (c) `/* This is a comment */`
- (d) `<!-- This is a comment -->`

**Answer: (a)**

2. In bash, variables are case sensitive.

- (a) True
- (b) False

**Answer: (a)**

3. The `export` command is used to make variables available to parent processes in bash.

- (a) True
- (b) False

**Answer: (b)**

4. Which of the following are valid bash string manipulations?

- (a) `${#string}`
- (b) `${#string:3}`
- (c) `${#string/substring/replacement}`
- (d) `${#string.concat("text")}`

**Answer: (a), (b)**

**Reference:** <https://tldp.org/LDP/abs/html/string-manipulation.html>

5. Which of the following are valid bash conditional operators?

- (a) `-ne`
- (b) `-eq`

- (c) -lg
- (d) -le

**Answer: (a), (b), (d)**

6. Which command is used to search for files in bash?

- (a) search
- (b) locate
- (c) grep
- (d) find

**Answer: (d)**

7. Which command is used to format and print data in a specific format?

- (a) print
- (b) printf
- (c) format
- (d) echof

**Answer: (b)**

8. Which of the following are commands/operators to carry out arithmetic operators?

- (a) let
- (b) []
- (c) \$(( ))
- (d) expr

**Answer: (a), (c), (d)**

9. Which command returns the process ID of the bash program?

- (a) \$\$
- (b) \$?
- (c) \$#
- (d) \$\*

**Answer: (a)**