

Multiple Choice Questions

1. Which command is used to copy the last 10 lines of standard input to standard output?
 - (a) `end`
 - (b) `head`
 - (c) `tail`
 - (d) `last`

The correct answer is **C**.

2. Which of these commands redirects standard input to `bc` to come from the file `abc.txt`?
 - (a) `bc 2< abc.txt`
 - (b) `bc < abc.txt`
 - (c) `bc 2> abc.txt`
 - (d) `bc > abc.txt`

Correct Answer: B. `bc < abc.txt`

3. What is the difference between `>` and `>>`?
 - (a) `>` redirects standard input; `>>` redirects standard output
 - (b) `>` redirects standard output; `>>` redirects standard error
 - (c) `>` redirects standard error; `>>` redirects standard output
 - (d) `>` will overwrite an existing file; `>>` will append to an existing file

Correct Answer: D.

4. Which of these commands is used to remove adjacent duplicate lines?
 - (a) `uniq`
 - (b) `nl`
 - (c) `tac`
 - (d) `elemi`

Correct Answer

5. Which of these commands is used to find lines from standard input that match a pattern?
 - (a) `grep`
 - (b) `detect`
 - (c) `find`

(d) `search`

Correct Answer: A

6. To use the standard output of one command as the standard input of another command, use the symbol:

(a) `<`

(b) `&`

(c) `$`

(d) `|`

Correct Answer: D

7. Which of these commands will count the number of lines in the file `hello.txt`?

(a) `cat hello.txt | nl`

(b) `cat hello.txt | tac`

(c) `cat hello.txt | wc -l`

(d) `cat hello.txt | head`

Correct Answer: C

8. Which of these commands is used to put lines from standard input in order?

(a) `bubble`

(b) `sort`

(c) `order`

Correct Answer: B

9. Which of these commands will count the number of unique lines in the file `goodbye.txt`?

(a) `cat goodbye.txt | sort | uniq | wc -l`

(b) `cat goodbye.txt | uniq | wc -l`

(c) `cat goodbye.txt | uniq | sort | wc -l`

(d) `cat goodbye.txt | sort | wc -l`

Correct Answer: B

10. Which of these commands will count the number of files in the current directory?

(a) `bc | wc -l`

(b) `cat | wc -l`

- (c) `ls | wc -l`
- (d) `head | wc -l`

Correct Answer: C

11. Which of these commands appends standard error from `cat` to the end of the file `xyz.txt`?

- (a) `cat stuff.txt > xyz.txt`
- (b) `cat stuff.txt 2>> xyz.txt`
- (c) `cat stuff.txt >> xyz.txt`
- (d) `cat stuff.txt 2> xyz.txt`

Correct Answer: C