

Topic 1, Shells, Scripting and Data Management**QUESTION: 1**

What output will the following command sequence produce?

```
echo '1 2 3 4 5 6' | while read a b c; do  
echo result: $c $b $a;  
done
```

- A. result: 3 4 5 6 2 1
- B. result: 1 2 3 4 5 6
- C. result: 6 5 4
- D. result: 6 5 4 3 2 1
- E. result: 3 2 1

Answer(s): A

QUESTION: 2

When the command `echo $` outputs 1, which of the following statements is true?

- A. It is the process ID of the echo command.
- B. It is the process ID of the current shell.
- C. It is the exit value of the command executed immediately before echo.
- D. It is the exit value of the echo command.

Answer(s): C

QUESTION: 3

CORRECT TEXT

What word is missing from the following SQL statement?

```
insert into tablename _____(909, 'text');
```

(Please specify the missing word using lower-case letters only.)

- A. VALUES, values

Answer(s): A

QUESTION: 4

Which command makes the shell variable named VARIABLE visible to subshells?

- A. export \$VARIABLE
- B. export VARIABLE
- C. set \$VARIABLE
- D. set VARIABLE
- E. env VARIABLE

Answer(s): B

QUESTION: 5

What output will the command `seq 10` produce?

- A. A continuous stream of numbers increasing in increments of 10 until stopped.
- B. The numbers 1 through 10 with one number per line.
- C. The numbers 0 through 9 with one number per line.
- D. The number 10 to standard output.

Answer(s): B

QUESTION: 6

CORRECT TEXT

By default, the contents of which directory will be copied to a new user's home directory when the account is created by passing the `-m` option to the `useradd` command? (Specify the full path to the directory.)

- A. `/etc/skel`

Answer(s): A

QUESTION: 7

CORRECT TEXT

What word is missing from the following SQL statement?

_____ `count(*)` from `tablename`;

(Please specify the missing word using lower-case letters only.)

- A. `select`

Answer(s): A

QUESTION: 8

After issuing:

```
function myfunction { echo $1 $2 ; }
```

in Bash, which output does:

```
myfunction A B C
```

Produce?

- A. A B
- B. A B C
- C. A C
- D. B C
- E. C B A

Answer(s): A

QUESTION: 9

Which of the following commands puts the output of the command `date` into the shell variable `mydate`?

- A. `mydate="$(date)"`
- B. `mydate="exec date"`
- C. `mydate="$((date))"`
- D. `mydate="date"`
- E. `mydate="{date}"`

Answer(s): A

QUESTION: 10

Which of the following files, when existing, affect the behavior of the Bash shell? (Choose TWO correct answers.)

- A. `~/.bashconf`
- B. `~/.bashrc`
- C. `~/.bashdefaults`
- D. `~/.bash_etc`
- E. `~/.bash_profile`

Answer(s): B, E

QUESTION: 11

What is the difference between the commands `test -e path` and `test -f path`?

- A. They are equivalent options with the same behaviour.
- B. The `-f` option tests for a regular file. The `-e` option tests for an empty file.
- C. Both options check the existence of the path. The `-f` option also confirms that it is a regular file.
- D. The `-f` option tests for a regular file. The `-e` option tests for an executable file.

Answer(s): C

QUESTION: 12

How can the existing environment variable `FOOBAR` be suppressed for the execution of the script `./myscript` only?

- A. `unset -v FOOBAR;./myscript`
- B. `set -a FOOBAR="";./myscript`
- C. `env -u FOOBAR./myscript`
- D. `env -i FOOBAR./myscript`

Answer(s): C

QUESTION: 13

When the command `echo $$` outputs 12942, what is the meaning of 12942?