## Sample Questions: Coding and Logic

1

If a variable in a script has NOT been assigned a value, what is the default value assigned to the variable?

A Null.

B Negative

C Zero

D Minus

2

What does the acronym OWASP stand for?

A Open Web Association Security Projects.

B Open Web Application Security Project.

C Open Web Application Security Protocols.

D Open Web Application Syntax Protocol.

3

Which of the following commands will list all the processes running on a Linux machine?

A ps -sr

B pslist -all

C ps -aux

D pslist –sr

4

When considering both Windows and Linux machines, which utilities can be used to schedule and automate tasks?

a) Task Scheduler.

b) Task Master.

c) Cron.

d) Auto Task.

A a and b only.

B a and c only.

C b and d only.

D c and d only.

5

What will be displayed as a result of the HTML code below?

<html>

<body>

<b>The rain in Spain falls <em>mainly</em> on the plain.</b>

</body>

</html>

A Some of the text is bold except for 'mainly'.

B All of the text is bold and 'mainly' is underlined.

C All of text is bold and the word 'mainly' is italicised.

D Some of the text is italicised except for 'mainly' which is bold.

6

An infrastructure technician types the following command:

ipconfig /all >>c:\temp\networking.txt

A file called "networking.txt" already exists in the c:\temp folder. What is the outcome of this command?

A The c:\temp\networking.txt file will be completely overwritten with the information output by the command.

B The c:\temp\networking.txt file will be appended with the information output by the command.

C The c:\temp\networking.txt file will be deleted.

D The c:\temp\networking.txt file will be displayed on screen

7

An infrastructure technician has been asked to list all the directories in the root of the X: drive of a Windows server. This list has to be redirected into a text file. Which command SHOULD be used?

A ls x: --d | directories.txt

B ls -d x:\>>/tmp/directories.txt

C dir /a:d x:\>c:\temp\directories.txt

D dir /d x: | echo c:\temp\directories.txt

8

A user's Linux computer has recently started crashing at random intervals. An infrastructure technician has been assigned to the problem and suspects that the file system may have become corrupted, as the user has a history of not powering off their machine correctly. Which tool SHOULD be used to start troubleshooting the issue?

A chkdsk

B fsck

C fdisk

D diskpart

9

What is the outcome of the following section of a script?

if %a% LEQ %b% goto :end

echo SUCCESS!

:end

A The word 'SUCCESS!' is output to the screen if the variable 'a' is greater than or equal to the variable 'b'.

B The word 'SUCCESS!' is output to the screen if the variable 'b' is greater than or equal to the variable 'a'.

C The word 'SUCCESS!' is output to the screen if the variable 'a' is greater than the variable 'b'.

D The word 'SUCCESS!' is output to the screen if the variable 'b' is greater than the variable 'a'

10

Which of the following is the CORRECT order of steps required when producing a script or program?

A Design, develop, test, maintain, update.

B Design, plan, develop, test, maintain.

C Plan, design, develop, test, update.

D Plan, design, develop, test, maintain.

11

What will be displayed as a result of the HTML code below?

<ol type="a">

<li>Coffee</li>

<li>Tea</li>

<li>Milk</li>

</ol>

A A list with bullets

B A list with numbers

C A list

D A list with letters

12

What will be displayed on the screen when this code runs?

COUNTER=10

until [ $COUNTER –lt 20 ]; do

echo COUNTER $COUNTER

let COUNTER-=1

done

A Nothing

B 10

C 9

D 20

13

In Linux, which command will clear a terminal screen?

A clearscreen

B cls

C clear

D clscr

14

Which Windows command will permanently delete a directory and all subdirectories and files?

A rmdir /q

B rm /s

C rm –s

D rmdir /s

15

Which script language works with Windows objects?

A VBScript

B PowerShell

C Bash

D Command

16

What is this an example of?

<to>William</to>

A CSV

B XML

C HTML

D SSH

17

What is the best datatype to store a sequence of characters?

A Array

B Float

C Integer

D String

18

What Windows command would you use to make a file hidden?

A icacls

B chmod

C attrib

D hide

19

Which of the following is an example of an internal style sheet?

A <h1 style="color:blue;”>Text</h1>

B <style> h1 {color:blue;}</style>

C <css> h1 {color:blue;}</css>

D h1 {color: blue;}

20

Which lifecycle step addresses the requirements for a script?

A Design

B Build

C Plan

D Test

21

Which of the following are in the OWASP Top 10 Most Critical Web Application Security Risks?

a Cross site scripting

b Injection

c Broken access control

d Security misconfiguration

A a, b, and c

B a, c and d

C b, c and d

D All of them

22

Which of the following are used for encrypted file transfers?

A SST

B FTP

C STFP

D FTPS

23

Which Linux command is used to search in a file?

A locate

B grep

C find

D ls

24

What is the result of this command on a Windows system?

move Example.txt ..

A The File Example.txt is moved to the .. folder

B The File Example.txt is moved to a subfolder

C The File Example.txt is moved to the root folder

D The File Example.txt is moved to the parent folder

25

What is used in a Linux system to schedule a task?

A chron

B cron

C Task Scheduler

D chron.bat

26

Which of these will produce a valid result on Windows and Linux systems?

a dir /os

b ls /lth

c ls -lth

d dir -os

A a and b

B c and d

C a and c

D b and d

27

Which command will show the amount of RAM in a Windows system?

A systeminfo | findstr /c:"Total Physical Memory"

B sysinfo | findstr /c:"Total Physical Memory"

C systeminfo | findstr /c:"Total Physical RAM"

D sysinfo | findstr /c:"Total Physical RAM"

28

What does the following Linux command do?

cp File3 ~/Documents/File4

A Copy File3 into the root directory and rename it Documents/File4

B Copy File3 into the home directory and rename it /Documents/File4

C Copy File3 into the home directory and rename it File4

D Copy File3 into the Documents directory in the home directory and rename it File4

29

A file in Linux has the permissions 770. What does this allow?

A All users read, write and execute

B All users can read and write

C Only the owner can read ,write and execute

D Only the owner and group can read, write and execute

30

A technician wants to disable an ethernet port on a Linux machine. What command will do this?

A ipconfig eth0 down

B ifconfig lan0 down

C ifconfig eth0 down

D ifconfig eth0 –d

31

Which command will list all connection and ports along with the program that created the connection?

A netstat –b –o

B netstat –e –o

C netstat -b

D netstat –o

32

You want to show the last 20 lines of a file in Linux. Which command will you use?

A tail -20 filename

B tail filename

C touch filename

D grep -c filename

33

Which command will find all the files with the extension .sh in a Linux system

A grep \*.sh

B locate sh

C locate sh | grep .sh

D locate \*.sh

34

On a Windows system, which command will check the file system and fix the errors on a mounted volume?

A chkdsk /x

B fsck –M

C chkdsk /f

D chkdsk /r

35

You need to stop the Print Spooler service on a Windows system. Which command will you use?

A ipconfig PrintSpool down

B net stop PrintSpool

C net stop “Print Spooler”

D net stop Print Spooler

36

You want to display, in human readable form, the memory usage in a Linux system. Which command will you use?

A free –hum

B free /h

C free –h

D free –hr

37

Which type of loop will you use if you need to process a series of files?

A if/then/else

B do until

C for do

D do while

38

Which command would you first use to check connectivity?

A traceroute

B tracert

C ipconfig

D ping

39

On a Linux system which command will show the path used to reach a destination?

A tracert

B nslookup

C traceroute

D ifconfig

40

Which command on a Linux system will show system information?

A sysinfo

B systeminfo

C lshw

D top