

the names of files that do not match finance.db	
information sent to the standard error-for example, errors that the find command displays as it runs	
$\ \square$ the names of files that match finance.db	
information sent to the standard output-that is, the path to files the find command has located	
₹ Q6. To permanently remove empty lines from a file called textfile, which command could you use?	
<pre>   sed -i '/^\$/d' textfile </pre>	
□ sed '/^\$/d' textfile	
cat textfile   sed '/^\$/d	
□ sed -i 's/^\$//' textfile	
${\mathscr P}$ Q7. Assuming that user1 existed, what would be the result of this command string?	
awk -F: '/user1/{print \$1 "-" \$3 "-" \$6}' /etc/passwd	
☐ It would show the username, UID, and home directory of user1 separated by colons.	
☐ It would print the UID, GID, and home directory of user1 separated by hyphens.	
It would print the UID, comment, and home directory of user1 separated by hyphens.	
It would show the username, UID, and home directory of user1 separated by hyphens.	
₹ Q8. What happens if you use the "set -e" in a Bash script?	
☐ It will cause Bash to exit if a function or subshell returns a nonzero status code.	
It will cause Bash to exit if a conditional returns a non-zero status code.	
☐ It will cause Bash to exit if a conditional returns a non-zero status code. ☐ It will cause Bash to exit if local, declare, or typeset assignments return a nonzero status code.	
It will cause Bash to exit if local, declare, or typeset assignments return a nonzero status code.  It will cause Bash to exit if a command, list of commands, compound command, or potentially a pipeline returns a nonzero	statue
code.	วเสเนร
$\mathscr{D}$ Q9. The $\_$ keyword pauses the script to get input from standard input.	
□ get	
□ argument	
☑ read	
input	
9 Q10. If file.sql holds SQL statements to be executed, what will be in file.txt?	
mysql < file.sql > file.txt	
a copy of the contents of file.sql	
an error indicating that this is invalid syntax	
the error output of the MySQL command	
the non-error output of the MySQL command	
Note: check the question below for a variant.	
$\mathscr{D}$ Q11. What will be the difference between the output on the screen and the contents of out.txt	
<pre>mysql &lt; file.sql &gt; out.txt</pre>	
☐ The output on the screen will be identical to out.txt	
There will be no output on the screen as it's being redirected to out.txt.	
The output on the screen will be identical to out.txt plus line numbers.	
The out tax file will hold STDERR and STDOUT will go to the screen.	
Note: check the question above for a variant.	
$\mathscr{D}$ Q12. How does the SUID or setuid affect executable commands?	
☐ When the command creates files, they will be owned by the group owner of the command.	
☐ The SUID bit allows anyone to execute the command no matter what other permissions are set.	
When the command is executed, its running privileges elevate to the user owner of the command.	
☐ When the command is executed, its running privileges elevate to the group owner of the command.	
$\mathscr{O}$ Q13. In order to extract text from the first column of file called textfile, which command would you use?	
cat {\$1,textfile}	
cat textfile   awk [print \$1]	
cat textfile   awk '{print \$1}'	

(reverse-i-search)`	'i
☐ Esc + R	
Ctrl + H	
Ctrl + R	
Alt + R	
Q15. Which arithmeti	c expression will give the most precise answer?
□ var=\$( expr 10 /	8 )
(( var= 10 /8 ))	
var=\$(( 10 / 8 )	
var=\$(echo 'scale	e=2; 10 / 8'   bc)
Q16. What is the resul	It of this script?
txt=Penguins [[ \$txt =~ [a-z]{8}	} ]]; echo \$?
0, representing 'tru	ue', because the variable "txt" contains eight letters
-	ue', because everybody loves penguins!
	lse', because the variable "txt" is longer than eight characters
1, representing 'fal	lse', because the variable "txt" does not contain eight lowercase letters between a and z
Q17. How would you	change your Bash shell prompt to the following?
HAL>	
SHELL="HAL\>"	
SHELL="HAL>"	
export PS1="HAL>	п
export PS1="HAL>"  PS1="HAL\>"	
PS1="HAL\>"  Q18. What is the outp  VAR="/var/www/html/	out of this code? /website.com/html/"
PS1="HAL\>" Q18. What is the outp	out of this code? /website.com/html/"
PS1="HAL\>"  Q18. What is the outp  VAR="/var/www/html/	out of this code? /website.com/html/" }"
PS1="HAL\>"  Q18. What is the outp  VAR="/var/www/html/ echo "\${VAR#*/html}	<pre>put of this code? /website.com/html/" ""</pre>
PS1="HAL\>"  Q18. What is the outp  VAR="/var/www/html/ echo "\${VAR#*/html}  /website.com/htm	<pre>put of this code? /website.com/html/"  "  l/ m/html/</pre>
PS1="HAL\>"  Q18. What is the outp  VAR="/var/www/html/ echo "\${VAR#*/html}  /website.com/htm	<pre>put of this code? /website.com/html/" }"  l/ m/html/ bsite.com/</pre>
PS1="HAL\>"  Q18. What is the outp  VAR="/var/www/html/ echo "\${VAR#*/html}  //website.com/htm //html/website.coi //var/www/html/wel  Nothing will be ech	<pre>put of this code? /website.com/html/"  !"  l/ m/html/ bsite.com/ hoed on the screen.</pre>
PS1="HAL\>"  Q18. What is the outp  VAR="/var/www/html/ echo "\${VAR#*/html}  //website.com/htm //html/website.com //var/www/html/wel Nothing will be ech	<pre>put of this code? /website.com/html/" }"  l/ m/html/ bsite.com/</pre>
PS1="HAL\>"  PQ18. What is the outp  VAR="/var/www/html/echo "\${VAR#*/html}  /website.com/htm /html/website.com/html/website.com/var/www/html/website.com/car/www/html/www/html/www/html/website.com/car/www/html/www/html/www/html/www/html/www/html/www/html/www/html/www/html/www/html/www/html/www/html/www/html/www/html/www/html/www/html/www/html/www/html/ww/html/www/html/ww/html/ww/html/www/html/ww/html/ww/html/ww/html/w	out of this code?  /website.com/html/" }"  L/ m/html/ bsite.com/ hoed on the screen.  text at the standard input, you can tell the command you're done entering text with what key combination?
PS1="HAL\>"  Q18. What is the outp  VAR="/var/www/html/ echo "\${VAR#*/html}  /website.com/htm /html/website.coi /var/www/html/wel Nothing will be ech  Q19. If prompted for to Ctrl + A (Windows)  Ctrl + E (Windows)	out of this code?  //website.com/html/"  1/  m/html/ bsite.com/ hoed on the screen.  text at the standard input, you can tell the command you're done entering text with what key combination? or Command + A (Mac)
PS1="HAL\>"  Q18. What is the outp  VAR="/var/www/html/ echo "\${VAR#*/html}  //website.com/htm //html/website.cor /var/www/html/wel Nothing will be ech  Ctrl + A (Windows)  Ctrl + D (Windows)	out of this code?  /website.com/html/"  "  // m/html/ bsite.com/ hoed on the screen.  text at the standard input, you can tell the command you're done entering text with what key combination? or Command + A (Mac) or Command + E (Mac)
PS1="HAL\>"  Q18. What is the outp  VAR="/var/www/html/echo "\${VAR#*/html}  /website.com/htm /html/website.coi /var/www/html/wel Nothing will be ech  Ctrl + A (Windows)  Ctrl + E (Windows)  Ctrl + D (Windows)  Ctrl + Z (Windows)	out of this code?  /website.com/html/"  ""   // m/html/ bsite.com/ hoed on the screen.  text at the standard input, you can tell the command you're done entering text with what key combination?  or Command + A (Mac) or Command + E (Mac) or Command + D (Mac)
PS1="HAL\>"  Q18. What is the outp  VAR="/var/www/html/echo "\${VAR#*/html}  /website.com/htm /html/website.coi /var/www/html/wel Nothing will be ech  Ctrl + A (Windows)  Ctrl + E (Windows)  Ctrl + D (Windows)  Ctrl + Z (Windows)	out of this code?  /website.com/html/" }"  // m/html/ bsite.com/ hoed on the screen.  text at the standard input, you can tell the command you're done entering text with what key combination? or Command + A (Mac) or Command + E (Mac) or Command + D (Mac) or Command + Z (Mac) sh script to be executed like an OS command, it should start with a shebang line. What does this look like?
PS1="HAL\>"  Q18. What is the outp  VAR="/var/www/html/ echo "\${VAR#*/html}  //website.com/htm //html/website.com /var/www/html/wel  Nothing will be ech  Q19. If prompted for to Ctrl + A (Windows) Ctrl + E (Windows) Ctrl + D (Windows) Ctrl + Z (Windows)  Q20. In order for a Ba	out of this code?  /website.com/html/" }"  // m/html/ bsite.com/ hoed on the screen.  text at the standard input, you can tell the command you're done entering text with what key combination? or Command + A (Mac) or Command + E (Mac) or Command + D (Mac) or Command + D (Mac) or Command + Z (Mac) sh script to be executed like an OS command, it should start with a shebang line. What does this look like?
PS1="HAL\>"  Q18. What is the outp  VAR="/var/www/html/ echo "\${VAR#*/html}  //website.com/htm //html/website.com /var/www/html/wel  Nothing will be ech  Q19. If prompted for the complete of	out of this code?  //website.com/html/"  ""  //  m/html/ bsite.com/ hoed on the screen.  text at the standard input, you can tell the command you're done entering text with what key combination: or Command + A (Mac) or Command + E (Mac) or Command + D (Mac) or Command + D (Mac) or Command + Z (Mac) sh script to be executed like an OS command, it should start with a shebang line. What does this look like?  ash sh
PS1="HAL\>"  Q18. What is the outp  VAR="/var/www/html/ echo "\${VAR#*/html}  //website.com/htm //html/website.com /var/www/html/wel  Nothing will be ech  Q19. If prompted for the complete of	out of this code?  //website.com/html/"  ""  I/  m/html/ bsite.com/ hoed on the screen.  text at the standard input, you can tell the command you're done entering text with what key combination?  or Command + A (Mac) or Command + E (Mac) or Command + D (Mac) or Command + D (Mac) or Command + Z (Mac) sh script to be executed like an OS command, it should start with a shebang line. What does this look like?  ash sh bash
PS1="HAL\>"  Q18. What is the outp  VAR="/var/www/html/echo "\${VAR#*/html}  //website.com/htm //html/website.com /var/www/html/wel  Nothing will be ech  Q19. If prompted for the complete of	out of this code?  //website.com/html/"  ""  I/  m/html/ bsite.com/ hoed on the screen.  text at the standard input, you can tell the command you're done entering text with what key combination: or Command + A (Mac) or Command + E (Mac) or Command + D (Mac) or Command + D (Mac) or Command + Z (Mac) sh script to be executed like an OS command, it should start with a shebang line. What does this look like? ash sh bash
PS1="HAL\>"  Q18. What is the outp  VAR="/var/www/html/echo "\${VAR#*/html}  //website.com/htm //html/website.com /var/www/html/wel  Nothing will be ech  Q19. If prompted for the complete of	out of this code?  //website.com/html/"  /"  // m/html/ bsite.com/ hoed on the screen.  text at the standard input, you can tell the command you're done entering text with what key combination?  or Command + A (Mac) or Command + E (Mac) or Command + D (Mac) or Command + Z (Mac) sh script to be executed like an OS command, it should start with a shebang line. What does this look like?  ash sh bash sh
PS1="HAL\>"  Q18. What is the outp  VAR="/var/www/html/echo "\${VAR#*/html}  /website.com/htm /html/website.com /var/www/html/wel Nothing will be ech  Q19. If prompted for the complete of the	website.com/html/" )"  I/  I/  I/  I/  I/  I/  I/  I/  I/  I
PS1="HAL\>"  Q18. What is the outp  VAR="/var/www/html/echo "\${VAR#*/html}  /website.com/htm /html/website.com /var/www/html/wel Nothing will be ech  Q19. If prompted for the complete of the	out of this code?  //website.com/html/"    "
PS1="HAL\>"  Q18. What is the outp  VAR="/var/www/html/echo "\${VAR#*/html}  /website.com/htm /html/website.com /var/www/html/wel Nothing will be ech  Q19. If prompted for the complete of the	out of this code?  //website.com/html/"  property of the screen of the screen.  text at the standard input, you can tell the command you're done entering text with what key combination?  or Command + A (Mac)  or Command + E (Mac)  or Command + D (Mac)  or Command + Z (Mac)  sh script to be executed like an OS command, it should start with a shebang line. What does this look like?  ash  sh  bash  sh  h script probably produced the output shown below?  ar 24 12:39:06 CST 20191  s: 1"  s: date!"
PS1="HAL\>"  Q18. What is the outp  VAR="/var/www/html/ echo "\${VAR#*/html}  /website.com/htm /html/website.com /var/www/html/wel  Nothing will be ech  Q19. If prompted for the complete of t	out of this code?  //website.com/html/"  p"  //  m/html/ bsite.com/ hoed on the screen.  text at the standard input, you can tell the command you're done entering text with what key combination?  or Command + A (Mac) or Command + D (Mac) or Command + D (Mac) or Command + Z (Mac)  ssh script to be executed like an OS command, it should start with a shebang line. What does this look like?  ash sh bash sh h script probably produced the output shown below?  ar 24 12:30:06 CST 20191  s: !" s: date!" s: (date)!"

<sup>2</sup> Q22. Suppose your current working directory is your home directory. How could you run the script demo.sh that is located in your home directory? Find three correct answers.

```
A. /home/demo.sh
    B. ./demo.sh
    C. ~/demo.sh
    D. bash /home/demo.sh
    E. bash demo.sh
   B, C, E
   A, B, C
   □ C, D, E
   ■ B, D, E
\mathscr{O} Q23. How could you get a list of all .html files in your tree?
   find . -type html
   find . -name *.html
   find *.html

✓ find . -name \*.html -print
  The second seems well, but will expand the \ if there is any .html file on your working directory.

    Q24. What would be in out.txt?

    cat < in.txt > out.txt
   \hfill \square 
 The output from the command line. By default STDIN comes from the keyboard.
   ☐ Nothing because you can't redirect from file (in.txt) to another file (out.txt). You can only redirect from a command to a file.
   It would be the contents of in.txt.
   ☐ Nothing. The redirect will create a new empty file but there will not be any output from the cat command to redirect.
{\mathscr O} Q25. What does this bash statement do?
    (( $a == $b ))
    echo $?
   \ \square It loops between the values of $a and $b .
   It tests whether the values of variables $a and $b are equal.
   ☐ It returns $b if it is larger than $a.
   \ \square It returns $a if it is larger than $b .
{\mathscr O} Q26. What do you use in a case statement to tell Bash that you're done with a specific test?
   / ; ;
   ::
   done
   $$
\mathscr{O} Q27. What does the asterisk represent in this statement?
    #!/usr/bin/env bash
    case $num in
            1)
            echo "one"
            ;;
2)
            echo "two"
            echo "a mystery"
    esac
   a case that matches any value, providing a default option if nothing else catches that value
   \hfill \square the action of all of the other cases combined together
   \hfill \square an action that is taken for any input, even if it matches a specified condition

    Q28. What Bash script will correctly create these files?

   ☐ touch file{1+10}.txt

  □ touch file{1-10}.txt

   touch file{1..10}.txt
   touch file(1..10).txt
```

 ${\mathscr O}$  Q29. Which variable would you check to verify that the last command executed successfully?

```
✓ $?
     $!
      $@
{\mathscr O} Q30. What is the output of this script?
        #!/bin/bash
        fname=john
        john=thomas
        echo ${!fname}
      john
      thomas
      Syntax error
      blank
    reference
\mathscr{O} Q31. What will be the output of this script?
        otal 0
rvx-rxr-x 11 frankmoley staff 374 Jun 3
rvx-rxr-x 49 frankmoley staff 1666 Jun 3
rv-r-r-- 1 frankmoley staff 8 Jun 3
rv-r-r-- 1 frankmoley staff 9 Jun 3
rv-r-r-- 1 frankmoley staff 8 Jun 3
rankmoley:-/foo $ ll | sed -e 's, file, text, g'
      В
      С
    Here's a text based version of Q.30:
        11
        -rw-r--r-- 1 frankmolev staff 1666 Jun 3 19:30 ..
       -rw-r--r- 1 frankmolev staff 0 Jun 3 19:30 file1.txt
-rw-r--r- 1 frankmolev staff 0 Jun 3 19:30 file2.txt
        ll | sed -e 's,file,text,g'
      A
```

-rw-r--r-- 1 frankmolev staff 0 Jun 3 19:30 file1.file

\$\$

```
-rw-r--r-- 1 frankmolev staff 0 Jun 3 19:30 file2.file
   В
      -rw-r--r-- 1 frankmolev staff 374 Jun 3 19:30 .
     -rw-r--r- 1 frankmolev staff 1666 Jun 3 19:30 ..

-rw-r--r- 1 frankmolev staff 0 Jun 3 19:30 file1.txt

-rw-r--r- 1 frankmolev staff 0 Jun 3 19:30 file2.txt
   C
      -rw-r--r-- 1 frankmolev staff 68
                                         Jun 3 19:30 .
     -rw-r--r-- 1 frankmolev staff 1666 Jun 3 19:30 ...
   ☑ D
    -rw-r--r-- 1 frankmolev staff 374
                                          Jun 3 19:30 .

    Q32. What is wrong with this script?

    #!/bin/bash
    read -p "Enter your pet type." PET
    if [ $PET = dog ] ;then
       echo "You have a dog"
   ☐ If the value of PET doesn't match dog, the script will return a nonzero status code.
   ☐ There is nothing wrong with it. The condition checks the value of PET perfectly.
   It will fail if the user hits the Enter (Return) key without entering a pet name when prompted.
   ■ The then statement needs to be on a separate line.
{\mathscr O} Q33. How can you gather history together for multiple terminals?
   It just works by default.
   history --shared
   history --combined

    Shopt -s histappend

\mathscr{O} Q34. What is the difference between the @and* variables?
   $0 treats each quoted argument as a separate entity. $* treats the entire argument string as one entity.
   □ $* is used to count the arguments passed to a script, $@ provides all arguments in one string.
   □ $* is the wildcard that includes all arguments with word splitting, $@ holds the same data but in an array.
{\mathscr O} Q35. Which command is being run in this script to check if file.txt exists?
    if [ -f file.txt ]; then
        echo "file.txt exists"
   /usr/bin/test
   ___/usr/bin/[
   the built-in [ command
   ___/usr/bin/[[

    Q36. What will be the output of this script?

    #!/bin/bash
    Linux=('Debian' 'Redhat' 'Ubuntu' 'Android' 'Fedora' 'Suse')
    Linux=(\{Linux[@]:0:$x\} \{Linux[@]:$(($x + 1))\})
    echo "${Linux[@]}"
   Debian Redhat Ubuntu Android Fedora Suse
   Android
```

□ Fedora Suse ☑ Debian Redhat Ubuntu Fedora Suse
✓ ~/.profile
/etc/bashprofile
□ ~/profile
Ø Q38. Given the listed permissions on data.txt is it possible that user2 could have read, write, and execute permissions on data.txt?
\$ ls -l
total 0 -rwx+ 1 user1 user1 0 Oct 27 10:54 data.txt
No, it's clear that user2 does not have read, write, and execute permissions.
Yes, the + at the end of the 10-digit permission string signifies there's an access control list. This could possibly give user2
permissions not visible by ls -1.
☐ It's possible that SELinux provides read, write, and execute permissions for user2 which are not visible with ls -1.
<ul> <li>Yes, the + at the end of the 10-digit permission string signifies there's an extended attribute set. This could give user2 permissions to read, write, and execute data.txt.</li> </ul>
${\mathscr O}$ Q39. What does this script accomplish?
<pre>#!/bin/bash declare -A ARRAY=([user1]=bob [user2]=ted [user3]=sally) KEYS=(\${!ARRAY[@]})</pre>
<pre>for (( i=0; \$i &lt; \${#ARRAY[@]}; i+=1 ));do</pre>
echo \${KEYS[\$i]} - \${ARRAY[\${KEYS[\$i]}]} done
☐ It sorts the associative array named ARRAY and stores the results in an indexed array named KEYS. It then uses this sorted array to loop through the associative array ARRAY.
Using a C-style for loop, it loops through the associative array named ARRAY using the associative array's keys and outputs both
the key and values for each item.  It creates an indexed array of the associative array named ARRAY. It then uses a C-style for loop and the indexed array to loop
through all items in the associative array, outputting the key and value of each array item using the index number.
☐ It creates an associative array named ARRAY, which it loops through using a C-style for loop and the index numbers of each item in the associative array's keys, outputting the value of each item.
∂ Q40. What file would match the code below?
ls Hello[[.vertical-line.]]World
□ Nothing, this is an invalid file glob.
Hello.vertical-line.World
Hello[[.vertical-line.]]World
✓ Hello World
ℰ Q41. What will be in out.txt?
ls nonexistentfile   grep "No such file" > out.txt
□ No such file
☐ Is: cannot access nonexistentfile: No such file or directory
☑ Nothing, out.txt will be empty.
☐ It will be the contents of nonexistentfile.
$\mathscr{O}$ Q42. For the script to print "Is numeric" on screen, what would the user have to enter when prompted?
#!/bin/bash
read -p "Enter text " var  if [[ "\$var" =~ "^[0-9]+\$" ]];then
echo "Is numeric"
else
echo "Is not numeric" fi

 $\hfill \square$  Any sequence of characters that includes an integer

	to enter the character sequence of ^[0-9]]+\$ Only this will prove to be true and "Is numeric" would be due to incorrect syntax. By encapsulating the regular expression in double quotes every match will fail ^[0-9]+\$
	ers that only includes integers
Due to a syntax error	it is impossible to get the script to print "Is numeric"
The regex must not be qu	oted to work properly.
P Q43. How would you find	the last copy command run in your history?
☐ history   find cp	
history   grep cp**	
grep cp history	
cp history	
<sup>9</sup> Q44. In order to write a s	script that iterates through the files in a directory, which of the following could you use?
bash for i in \$(ls);	
bash for \$(ls); do .	done
bash for i in \$ls;	do done
□ bash for \$ls; do	. done
<sup>9</sup> Q45. When executing a co chain these commands to	ommand and passing the output of that command to another command, which character allows you to ogether?
☑	
->	
<b>#</b>	
<b>@</b>	
Q46. In the script shown	below, what is greeting?
#!/usr/bin/env bash greeting="Hello" echo \$greeting, everyb	oody!
☐ a command	
a loop	
a parameter	
a variable	
<sup>9</sup> Q47. Which statement ch	necks whether the variable num is greater than five?
(( num -gt 5 ))	
[[\$num -lt 5]]	
(( num > 5 ))	
num > 5	
reference	
	ed globbing, what will be the output of this command?
<pre>\$ ls -l apple banana bananapple banapple pineapple strawberry \$ shopt -s extglob \$ ls -l @(ba*(na) a+(p</pre>	o) le)
<b>☑</b> a	
apple banana	
□ b	
apple banana bananapple banapple pineapple strawberry	

```
□ c
    apple
    banana
    bananappple
    banapple
    pineapple
   d
    apple
    banana
    bananapple
    banapple
    pineapple
  reference
{\mathscr O} Q49. When used from within a script, which variable contains the name of the script?
   ☑ $0
   ■ $# // number of positional parameters
   ■ $@ // array-like construct of all positional parameters

∂ Q50. What does the + signify at the end of the 10-digit file permissions on data.txt?

    ls -l
    -rwx----+ 1 user1 u1 0 Oct 1 10:00 data.txt
   ☐ There is an SELinux security context
   \hfill \square 
 The sticky bit is set and the file will stay in RAM for speed
   There is an access control list
   ■ There is an extended attribute such as immutable set
{\mathscr O} Q51. In Bash, what does the comment below do?
   It moves you to the directory you were previously in.
   ☐ It moves you to your home folder (whatever your current working directory happens to be).
   ☐ It deletes the current directory
   ■ It moves you one directory above your current working directory.
cat > notes -
   Accepts text from standard input and places it in "notes"
   ☐ Creates "notes" and exits
   Outputs the content of notes and deletes it
   ☐ Appends text to the existing "notes"
{\mathscr O} Q53. What is the output of:
    VAR="This old man came rolling"
    echo "\${VAR//man/rolling}"

☑ This old rolling came rolling

   This old man came man
   ☐ This old man came rolling
   ■ This old came
{\mathscr O} Q54. The shell looks at the contents of a particular variable to identify which programs it can run. What is the name of this
  variable?
   ■ $INCLUDE
   $PATH
   $PROGRAM
   $PATHS
{\mathscr O} Q55. What statement would you use to print this in the console?
```

```
Shall we play a game? yes\no
   ☐ echo "Shall we play a game? yes/\no"
   \square echo "Shall we play a game\? yes\\no"
   echo "Shall we play a game? yes\\no"
   ☐ echo "Shall we play a game? yes\no"
{\mathscr O} Q56. Given a directory with these seven files, what would remain after executing these commands?
    archive.tar
    image1.gif
    image1.jpg
    image2.gif
    image2.jpg
    textfile1.txt
    textfile2.txt
    `shopt -s extglob
    rm !(*gif|*jpg)
   a
    archive.tar
    image1.gif
    image1.jpg
    image2.gif
    image2.jpg
    textfile1.txt
    textfile2.txt
   b
    archive.tar
    textfile1.txt
    textfile2.txt
   \ \square c : All of this files will be deleted
   d:
    image1.gif
    image1.jpg
    image2.gif
    image2.jpg
PQ57. The code below seems to work and outputs "8 is greater than 5". However, what unexpected result will tell you it is not
  functioning properly?
    #!/bin/bash
    var="8"
    if [ $var > 5 ]; then
        echo "$var is greater than 5"
   ☐ There will be no unexpected results. This script works as is and the output will be "8 is greater than 5".
   ☐ The comparison will not be able to handle floating-point numbers, as Bash only handles integers. So this example will output an
      error message if the value of $var is changed to "8.8".
   There will be a file in the current directory named 5.
   ☐ The variable $var is not quoted, which will lead to word splitting. This script will fail with a "unary operator expected" message if
      you change the value of
\mathscr{O} Q58. What is the result of this script?
```

■ It removes the directory 'foo' and the files contained within it.

☐ It removes all files except those in the current directory.
It removes all files in the current directory.
☐ It removes all files except those in the 'foo' directory.
SELinux policy rules are checked after DAC rules.
SELinux policy rules are checked before DAC rules
SELinux policy rules are never checked after DAC rules.
□ None of these
reference
$\mathscr{E}$ Q60. Which does the below command do?
w
☐ It doesn't display information about the users currently on the machine.
It displays information about the users currently on the machine.
☐ It displays information about the users currently on the another machine.
□ None of these
Q61. Which sed options should you use to change the second-to-last instance of variable to rock so it would read:
A constant is a variable that is a rock that isn't variable
A COLISION IS A VALIABLE UIDE IS A FOCK UIDE ISH EVALIABLE
<pre>var="A constant is a variable that is a variable that isn't variable" echo "\$var"   sed</pre>
s/(.*)variable(.*variable)/\1rock\2/'
□ s/variable/rock/'
□ s/variable/rock/g'
s/(.*)variable(.*variable)/\1rock\2/'
Q 62. To make a Bash script named script.sh executable, what should you run?
□ exec script.sh
chmod +x script.sh
□ bash script.sh
□ source script.sh
✓ screen
screen -X
screenshared
□ terminal -shared
Q64. Wich operator sends the output of ls to a file for later use?
□ ls < filelist.txt
□ Is ¦ filelist.txt
□ Is - filelist.txt
$\mathscr{E}$ Q65. When comparing items with case, what statement indicates an end to the evaluation block?
□ stop
☑ esac
done
□ exit
$\mathscr{P}$ Q66. To run a group of commands without spawning a subshell, which syntax would you use?
(command1; command2)
<pre>4 { command1; command2; }</pre>
(( command1; command2 ))
command1; command2
echo 'Hello, \$(whoami)!'

□ Hello, \$(jon)!
□ Hello, jon!
Hello, \$(whoami)!
Hello, whoami!
Q68. How can you copy a directory to another system with compression?
□ tar -ssh user@192.158.1.1 /bin/newfile
ar cvzf - /wwwdata   ssh root@192.168.1.201 "dd of=/backup/wwwdata.tar.gz"
☐ You can't compress the stream
scp -r directory user@192.168.1.1:/tmp
Q69. To assign the command ls - lah to the shortcut command lh, what command should you use?
☑ alias lh='ls -lah'
□ link lh='ls -lah'
alias 'ls -lah'=lh
□ Ih   Is -lah
Q70. Which statement will print all of the fully qualified .csv files in the home directory or subdirectories while not displaying any errors?
find \$USER_DIR -name "*.csv" 2>/dev/null
find \$HOME -name "*.csv" 1>/dev/null
find \$HOME -name "*.csv" 2>/dev/null
☐ find HOME -name "*.csv" 1>/dev/null
Q71. In Bash, what does a # at the end of the default prompt string indicate?
that the user is acting as root
☐ that the current working directory is the root of the file system
☐ that there are updates for the system available
□ that the user is unprivileged
Q72. What will be the output of this command?
<pre>\$ ls -l file10.txt</pre>
file1.txt
fileabc.txt filea.txt
fileb.txt
<pre>filec.txt \$ ls -l file[^abc]*.txt</pre>
■ A
file1.txt
file10.txt
□ B
file10.txt
file1.txt
fileabc.txt
filea.txt fileb.txt
filec.txt
□ <b>c</b>
fileabc.txt filea.txt fileb.txt filec.txt
□ D
filea.txt
fileb.txt
filec.txt
Reference The caret ( ^ ) symbol here negates matches inside the bracket.
Q73. What is the output of this command sequence?
cat < <eof< td=""></eof<>

```
This is line 1.
      This is line 2.
      This is line 3.
   EOF
   \square A
   This is line 1.
   This is line 2.
   This is line 3.
   ■ B
   -----This is line 1.This is line 2.This is line 3.-----

✓ C
     This is line 1.
      This is line 2.
     This is line 3.
  D
   -----
   This is line 1.
   This is line 2.
   This is line 3.

₽ Q74. What would be in out.txt?

   #!/bin/bash
   echo 123446789 > out.txt
   exec 3<> out.txt
   read -n 4 <&3
   echo -n 5 >&3
   exec 3>&-
  123446789
  the hyphen symbol (-)
   123456789
   the number 5, which is written to the file using echo
   1. I/O Redirection
   2. What is the difference between "echo" and "echo -n"?
{\mathscr O} Q75. Which variable contains the process ID (PID) of the script while it's running?
   = $ID
  $#
  $@
{\mathscr O} Q76. By combining extended globbing and parameter expansion, what would be the value of VAR?
   #!/bin/bash
   shopt -s extglob
           This is...
                        a string of characters
   VAR=${VAR##+([[:space:]])}; VAR=${VAR%%+([[:space:]])};
   echo "$VAR"
     This is...a string of characters
   This is... a string of characters
   This is...a string of characters
  References:
   1. What is the meaning of the ${0##...} syntax with variable, braces and hash character in bash?
   2. What does expanding a variable as "${var%%r*}" mean in bash?

₽ Q77. Which operator tells the shell to run a given command in the background?
```

□ &&	
■ &	
<b>\$</b>	
$\mathscr{O}$ Q78. The range of nice number in LINUX system is?	
-20 to 0	
☑ -20 to 19	
□ 0 to 19	
□ 10 to 10	
Reference	
${\mathscr O}$ Q79. In Bash, what does this expression evaluate to?	
echo \$((4/3))	
□ 1.3	
□ 1.333333333333333333333333333333333333	
<b>1</b> 1	
□ 2	
Reference	
Reference	
$\mathscr{O}$ Q80. To keep a loop going until a certain condition becomes true, what would you	likely use?
□ if	
case	
while	
□ for	
Reference	
$\mathscr{S}$ Q81. What does this command sequence do?	
e qui vitat auts ans command sequence au.	
cat > notes -	
·	
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