# Topic 103: (26) GNU and Unix Commands

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103.1 (4) Work on the command line

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**Question: 55**

103.3 Perform basic file management

Which of the following commands can be used to create a USB storage media from a disk image?

A . gdisk

B . dd

C. cc

D. fdisk

E . mount

**Answer: B**

**Question: 56**

103.4 Use streams, pipes and redirects

In Bash, inserting 1>&2 after a command redirects

A. standard error to standard input.

B. standard input to standard error.

C. standard output to standard error.

D. standard error to standard output.

E. standard output to standard input.

**Answer: C**

**Question: 57**

103.2 Process text streams using filters

What command will generate a list of user names from /etc/passwd along with their login shell?

A. column -s : 1,7 /etc/passwd

B. chop -c 1,7 /etc/passwd

C. colrm 1,7 /etc/passwd

D. cut -d: -f1,7 /etc/passwd

**Answer: D**

**Question: 58**

103.3 Perform basic file management

In a nested directory structure, which find command line option would be used to restrict the

command to searching down a particular number of subdirectories?

A . -dirmax

B. -maxdepth

C . -maxlevels

D. -n

E . -s

**Answer: B**

**Question: 59**

103.4 Use streams, pipes and redirects

Which of the following statements is correct regarding the command foo 1> bar?

A. The stdout from the command foo is appended to the file bar.

B. The stdout from the command foo overwrites the file bar.

C. The command foo receives its stdin from the file bar.

D. The command foo receives its stdin from the stdout of the command bar.

E. The stderr from the command foo is saved to the file bar.

**Answer: B**

**Question: 60**

103.5 Create, monitor and kill processes

Which of the following commands kills the process with the PID 123 but allows the process to "clean

up" before exiting?

A. kill -PIPE 123

B. kill -KILL 123

C. kill -STOP 123

D. kill -TERM 123

**Answer: D**

**Question: 61**

103.5 Create, monitor and kill processes

Which signal is missing from the following command that is commonly used to instruct a daemon to

reinitialize itself, including reading configuration files?

killall -s \_\_\_\_\_\_\_ daemon

**Answer: HUP, SIGHUP, 1**

**Question: 62**

103.6 Modify process execution priorities

What is the maximum niceness value that a regular user can assign to a process with the nice

command when executing a new process?

A. 9

B. 19

C. 49

D. 99

**Answer: B**

**Question: 63**

103.8 Basic file editing

Immediately after deleting 3 lines of text in vi and moving the cursor to a different line, which single

character command will insert the deleted content below the current line?

A. i (lowercase)

B. P (uppercase)

C. p (lowercase)

D. U (uppercase)

E. u (lowercase)

**Answer: C**

**Question: 64**

103.3 Perform basic file management

A user accidentally created the subdirectory \dir in his home directory. Which of the following

commands will remove that directory?

A. rmdir '~/\dir'

B. rmdir "~/\dir"

C. rmdir ~/'dir'

D. rmdir ~/\dir

E . r m di r ~ / \ \ di r

**Answer: E**

**Question: 65**

103.1 Work on the command line

In compliance with the FHS, in which of the directories are man pages found?

A. /usr/share/man

B. /opt/man C. /usr/doc/

D. /var/pkg/man

E. /var/man

**Answer: A**

**Question: 66**

103.4 Use streams, pipes and redirects

Which of the following commands will send output from the program myapp to both standard output

(stdout) and the file file1.log?

A. cat < myapp | cat > file1.log

B. myapp 0>&1 | cat > file1.log

C. myapp | cat > file1.log

D. myapp | tee file1.log

E. tee myapp file1.log

**Answer: D**

**Question: 67**

103.1 Work on the command line

What is the purpose of the Bash built-in export command?

A. It allows disks to be mounted remotely.

B. It runs a command as a process in a subshell.

C. It makes the command history available to subshells.

D. It sets up environment variables for applications.

E. It shares NFS partitions for use by other systems on the network.

**Answer: D**

**Question: 68**

103.2 Process text streams using filters

What is the output of the following command?

echo "Hello World" | tr -d aieou

A. Hello World

B. e oo

C. Hll Wrld

D. eoo Hll Wrld

**Answer: C**

**Question: 70**

103.3 Perform basic file management

Which of the following commands will NOT update the modify timestamp on the file

/tmp/myfile.txt?

A. file /tmp/myfile.txt

B. echo "Hello" >/tmp/myfile.txt

C. sed -ie "s/1/2/" /tmp/myfile.txt

D. echo -n "Hello" >>/tmp/myfile.txt

E. touch /tmp/myfile.txt

**Answer: A**

**Question: 71**

103.6 Modify process execution priorities

What is the default nice level when a process is started using the nice command?

A. -10

B. 10

C. 20

D. 0

**Answer: B**

**Question: 72**

103.2 Process text streams using filters

What is the default action of the split command on an input file?

A. It will break the file into new files of 1,024 byte pieces each.

B. It will break the file into new files of 1,000 line pieces each.

C. It will break the file into new files of 1,024 kilobyte pieces each.

D. It will break the file into new files that are no morethan 5% of the size of the original file.

**Answer: B**

**Question: 73**

103.8 Basic file editing

What is the difference between the i and a commands of the vi editor?

A. i (interactive) requires the user to explicitly switch between vi modes whereas a (automatic) switches modesautomatically.

B. i (insert) inserts text before the current cursor position whereas a (append) inserts text after the cursor.

C. i (independent rows) starts every new line at the first character whereas a (aligned rows) keeps the indentation of the previous line.

D. i (interrupt) temporarily suspends editing of a file to the background whereas a (abort) terminates editing.

**Answer: B**

**Question: 74**

103.5 Create, monitor and kill processes

Which command displays a list of all background tasks running in the current shell? (Specify ONLY the

command without any path or parameters.)

**Answer: jobs**

**Question: 75**

103.5 Create, monitor and kill processes

Which of the following commands moves and resumes in the background the last stopped shell job?

A. run

B. bg

C. fg

D. back

**Answer: B**

**Question: 76**

103.7 Search text files using regular expressions

What is the effect of the egrep command when the -v option is used?

A. It enables color to highlight matching parts.

B. It only outputs non-matching lines.

C. It shows the command's version information.

D. It changes the output order showing the last matching line first.

**Answer: B**

**Question: 77**

103.7 Search text files using regular expressions

What does the ? symbol within regular expressions represent?

A. Match the preceding qualifier one or more times.

B. Match the preceding qualifier zero or more times.

C. Match the preceding qualifier zero or one times.

D. Match a literal ? character.

**Answer: C**

**Question: 78**

103.8 Basic file editing

In the vi editor, how can commands such as moving the cursor or copying lines into the buffer be

issued multiple times or applied to multiple rows?

A. By using the command :repeat followed by the number and the command.

B. By specifying the number right in front of a command such as 4l or 2yj.

C. By selecting all affected lines using the shift and cursor keys before applying the command.

D. By issuing a command such as :set repetition=4 which repeats every subsequentcommand 4 times.

**Answer: B**

**Question: 79**

103.1 Work on the command line

Which of the following files, located in the user home directory, is used to store the Bash history?

A. .bash\_history

B. .bash\_histfile

C. .history

D. .bashrc\_history

E. .history\_bash

**Answer: A**

**Question: 80**

103.1 Work on the command line

Which Bash environment variable defines in which file the user history is stored when exiting a Bash

process? (Specify ONLY the variable name.)

**Answer: HISTFILE**

**Question: 81**

103.3 Perform basic file management

Which of the following commands displays the contents of a gzip compressed tar archive?

A. gzip archive.tgz | tar xvf -

B. tar ztf archive.tgz

C. gzip -d archive.tgz | tar tvf -

D. tar cf archive.tgz

**Answer: B**

**Question: 82**

103.7 Search text files using regular expressions

Which grep command will print only the lines that do not end with a / in the file foo?

A. grep'/$' foo

B. grep '/#' foo

C. grep -v '/$' foo

D. grep -v '/#' foo

**Answer: C**

**Question: 83**

103.1 Work on the command line

Which of the following commands is used to change options and positional parameters for a running

Bash?

A. history

B. set

C. bashconf

D. setsh

E. envsetup

**Answer: B**

**Question: 84**

103.7 Search text files using regular expressions

Which of the following commands replaces each occurrence of 'bob' in the file letter with 'Bob' and

writes the result to the file newletter?

A. sed '/bob/Bob' letter > newletter

B. sed s/bob/Bob/ letter < newletter

C. sed's/bob/Bob' letter > newletter

D. sed 's/bob/Bob/g' letter > newletter

E. sed 's/bob, Bob/' letter > newletter

**Answer: D**

**Question: 85**

103.1 Work on the command line

From a Bash shell, which of the following commands directly executes the instruction from the file

/usr/local/bin/runme.sh without starting a subshell? (Please select TWO answers.)

A. source /usr/local/bin/runme.sh

B. . /usr/local/bin/runme.sh

C. /bin/bash /usr/local/bin/runme.sh

D. /usr/local/bin/runme.sh

E. run /usr/local/bin/runme.sh

**Answer: A,B**

**Question: 86**

103.6 Modify process execution priorities

Regarding the command:

nice -5 /usr/bin/prog

Which of the following statements is correct?

A. /usr/bin/prog is executed with a nice level of -5.

B. /usr/bin/prog is executed with a nice level of 5.

C. /usr/bin/prog is executed with a priority of -5.

D. /usr/bin/prog is executed with a priority of 5.

**Answer: B**

**Question: 87**

103.5 Create, monitor and kill processes

Which shell command is used to continue background execution of a suspended command?

A. &

B . bg

C. cont

D. exec

E. :&

**Answer: B**

**Question: 88**

103.4 Use streams, pipes and redirects

Which of the following shell redirections will write standard output and standard error output to a

file named filename?

A. 2>&1 >filename

B. >filename 2>&1

C. 1>&2>filename

D. >>filename

E. 1&2>filename

**Answer: B**

**Question: 89**

103.8 Basic file editing

In the vi editor, which of the following commands will copy the current line into the vi buffer?

A. c

B. cc

C. 1c

D. yy

E. 1y

**Answer: D**

**Question: 90**

103.8 Basic file editing

Which of the following sequences in the vi editor saves the opened document and exits the editor?

(Choose TWO correct answers.)

A . e sc Z Z

B. ctrl :w!

C . e s c zz

D. esc :wq!

E. ctrl XX

**Answer: A,D**

**Question: 91**

103.6 Modify process execution priorities

When starting a program with the nice command without any additional parameters, which nice

level is set for the resulting process?

A. -10

B. 0

C. 10

D. 20

**Answer: C**

**Question: 92**

103.7 Search text files using regular expressions

Which of the following commands will reduce all consecutive spaces down to a single space?

A. tr '\s' ' ' < a.txt > b.txt

B. tr -c ' ' < a.txt > b.txt

C. tr -d ' ' < a.txt > b.txt

D. tr -r ' ' '\n' < a.txt > b.txt

E. tr -s ' ' < a.txt > b.txt

**Answer: E**

**Question: 93**

103.5 Create, monitor and kill processes

Which character, added to the end of a command, runs that command in the background as a child

process of the current shell?

A. !

B. +

C. &

D. %

E. #

**Answer: C**

**Question: 94**

103.2 Process text streams using filters

Which of the following commands will print the last 10 lines of a text file to the standard output?

A. cat -n 10 filename

B. dump -n 10 filename C. head -n 10 filename

D. tail -n 10 filename

**Answer: D**

**Question: 95**

103.2 Process text streams using filters

Which of the following commands prints a list of usernames (first column) and their primary group

(fourth column) from the /etc/passwd file?

A. fmt -f 1,4 /etc/passwd

B. split -c 1,4 /etc/passwd

C. cut -d : -f 1,4 /etc/passwd

D. paste -f 1,4 /etc/passwd

**Answer: C**

**Question: 96**

103.5 Create, monitor and kill processes

Which of the following signals is sent to a process when the key combination CTRL+C is pressed on

the keyboard?

A. SIGTERM

B . SIGINT

C. SIGSTOP

D. SIGKILL

**Answer: B**

**Question: 97**

103.8 Basic file editing

What happens after issuing the command vi without any additional parameters?

A. vi starts and loads the last file used and moves the cursor to the position where vi was when it last exited.

B. vi starts and requires the user to explicitly either create a new or load an existing file.

C. vi exits with an error message as it cannot be invoked without a file name to operate on.

D. vi starts in command mode and opens a new empty file.

E. vi starts and opens a new file which is filled with the content of the vi buffer if the buffer contains text.

**Answer: D**

**Question: 98**

103.1 Work on the command line

Which of the following command sets the Bash variable named TEST with the content FOO?

A. set TEST="FOO"

B. TEST = "FOO"

C. var TEST="FOO"

D. TEST="FOO"

**Answer: D**

**Question: 99**

103.1 Work on the command line

Which variable defines the directories in which a Bash shell searches for executable commands?

A. BASHEXEC

B . BASHR C

C. PATH

D. EXECPATH

E. PATHRC

**Answer: C**

**Question: 100**

103.3 Perform basic file management

Which of the following commands determines the type of a file by using a definition database file

which contains information about all common file types?

A . magic

B. type

C. file

D. pmagic

E . hash

**Answer: C**

**Question: 101**

103.3 Perform basic file management

Which command is used in a Linux environment to create a new directory? (Specify ONLY the

command without any path or parameters.)

**Answer: mkdir, /usr/bin/mkdir**

**Question: 102**

103.3 Perform basic file management

Which of the following commands prints all files and directories within the /tmp directory or its

subdirectories which are also owned by the user root? (Choose TWO correct answers.)

A. find /tmp -uid root -print

B. find -path /tmp -uid root

C. find /tmp -user root -print

D. find /tmp -user root

E. find -path /tmp -user root -print

**Answer: C,D**

**Question: 103**

103.4 Use streams, pipes and redirects

When running the command

sed -e "s/a/b/" /tmp/file >/tmp/file

While /tmp/file contains data, why is /tmp/file empty afterwards?

A. The file order is incorrect. The destination file must be mentioned before the command to ensure redirection.

B. The command sed did not match anything in that file therefore the output is empty.

C. When the shell establishes the redirection it overwrites the target file before the redirected command starts and opens it for reading.

D. Redirection for shell commands do not work using the > character. It only works using the |

character instead.

**Answer: C**

**Question: 104**

103.4 Use streams, pipes and redirects

When given the following command line.

echo "foo bar" | tee bar | cat

Which of the following output is created?

A. cat

B. foo bar

C. tee bar

D. bar

E. foo

**Answer: B**

**Question: 105**

103.5 Create, monitor and kill processes

Which of the following commands can be used to determine how long the system has been running?

(Choose TWO correct answers.)

A. uptime

B . up

C. top

D. uname -u

E. time -up

**Answer: A,C**

**Question: 106**

103.4 Use streams, pipes and redirects

Which of the following are valid stream redirection operators within Bash? (Choose THREE correct

answers.)

A. <

B. <<<

C. >

D. >>>

E . %>

**Answer: A,B,C**

**Question: 107**

103.5 Create, monitor and kill processes

Which of the following explanations are valid reasons to run a command in the background of your

shell?

A. The command does not need to execute immediately.

B. The command has to run immediately but the user needs to log out.

C. The system is being shut down and the command needs to restart execution immediately after the reboot.

D. The command can run at a lower priority than normal commands run on the command line.

**Answer: B**

**Question: 108**

103.7 Search text files using regular expressions

What does the + symbol mean in the following grep regular expression:

grep '^d[aei]\+d$' /usr/share/dict/words

A. Match the preceding character set ([aei]) one or more times.

B. Match the preceding character set ([aei]) zero or more times.

C. Match the preceding character set ([aei]) zero or one times.

D. Match a literal + symbol.

**Answer: A**

**Question: 109**

103.8 Basic file editing

While editing a file in vi, the file changes due to another process. Without exiting vi, how can the file

be reopened for editing with the new content?

A. :r

B. :n

C. :w

D. :e

**Answer: D**

**Question: 142**

103.3 Perform basic file management

Which of the following commands are common Linux commands for file management? (Choose

three correct answers.)

A. copy

B. mv

C. m ov e

D. cp

E. mkdir

**Answer: B,D,E**

**Question: 143**

103.3 Perform basic file management

Which of the following examples for Bash file globbing matches a file named root-can-do-this.txt

when used in the directory holding that file? (Choose three correct answers.)

A. root\*can?do-this.{txt,odt}

B. r[oOoO]t-can-do\*.txt

C. {root,user,admin}-can-??-this.txt

D. root\*can\*do??this.txt

E. root\*\*\*{can,may}-do-this.[tT][xX][tT]

**Answer: A,B,C**

**Question: 144**

103.6 Modify process execution priorities

What command changes the nice level of a running process? (Specify ONLY the command without

any path or parameters)

**Answer: renice**

**Question: 145**

103.4 Use streams, pipes and redirects

Which option to the tee command will cause the output to be concatenated on the end of the output

file instead of overwriting the existing file contents?

A . -a

B. - c

C. --no-clobber

D. --continue

**Answer: A**

**Question: 146**

103.4 Use streams, pipes and redirects

What is the purpose of the xargs command?

A. It passes arguments to an X server.

B. It reads standard input (STDIN) and builds up command lines to execute.

C. It helps shellscripts take variable argument lists.

D. It asks a question, graphically, and returns the answer to the shell.

E. It allows users to specify long options for commands that normally only accept short options.

**Answer: B**

**Question: 147**

103.3 Perform basic file management

Which of the following commands can be used to create a new file that is 100kB in size?

A . dd

B. file

C. mkfile

D. touch

**Answer: A**

**Question: 148**

103.7 Search text files using regular expressions

When using regular expressions, which of the following characters match the beginning of a line?

A. ^

B. ?

C. \*

D. +

E. $

**Answer: A**

**Question: 149**

103.5 Create, monitor and kill processes

Which of the following statements is correct for a command line ending with a & character?

A. The command's output is redirected to/dev/null.

B. The result of the command defines if the next command will be run.

C. The command is run in background of the current shell.

D. The command is run as a direct child of the init process.

**Answer: C**

**Question: 150**

103.5 Create, monitor and kill processes

Which of the following commands will produce the following output?

A. job s

B. proclist

C. netstat

D. ps

**Answer: D**

**Question: 151**

103.1 Work on the command line

Which of the following commands print the current working directory when using a Bash shell?

(Choose two.)

A. echo "${PWD}"

B. echo "${WD}"

C . pwd

D. printwd

E. echo "${pwd}"

**Answer: C**

**Question: 152**

103.5 Create, monitor and kill processes

Which signal is sent by the kill command by default?

A. SIGHUP(1)

B. SIGQUIT(3)

C. SIGKILL(9)

D. SIGTERM(15)

**Answer: D**

**Question: 153**

103.4 Use streams, pipes and redirects

Which of the following command lines creates or, in case it already exists, overwrites a file called

data with the output of ls?

A. ls 3> data

B. ls >& data

C. ls > data

D. ls >> data

**Answer: C**

**Question: 154**

103.1 Work on the command line

Which of the following commands will print important system information such as the kernel version

and machine hardware architecture?

A. sysinfo

B. uname

C. lspci

D. arch

E. info

**Answer: B**

**Question 155**

103.4 Use streams, pipes and redirects

In Bash, inserting 2>&1 after a command redirects:

A. standard error to standard input.

B. standard input to standard error.

C. standard output to standard error.

D. standard error to standard output.

E. standard output to standard input.

**Answer: D**

**Question 156**

103.4 Use streams, pipes and redirects

When piping the output of find to the xargs command, what option to find is useful if the filenames

have spaces in them?

A. -rep-space

B. -print0

C. -nospace

D. -ignore-space

**Answer: B**

**Question: 157**

103.5 Create, monitor and kill processes

Pressing the Ctrl-C combination on the keyboard while a command is executing in the foreground

sends which of the following signal codes?

A. 1(SIGHUP)

B. 2(SIGINT)

C. 3(SIGQUIT)

D. 9(SIGKILL)

E. 15(SIGTERM)

**Answer: B**

**Question: 158**

103.8 Basic file editing

Which of the following are modes of the vi editor? (Choose two.)

A. edit mode

B. insert mode

C. change mode

D. review mode

E. command mode

**Answer: B,E**

**Question: 159**

103.1 Work on the command line

Which of the following shell commands makes the already defined variable TEST visible to new child

processes? (Choose two.)

A. visible TEST

B. declare +x TEST

C. declare -x TEST

D. export TEST

E. export -v TEST

**Answer: D**

**Question: 160**

103.6 Modify process execution priorities

Which command is used to start another command with a given nice level? (Specify ONLY the

command without any path or parameters.)

**Answer: nice**

**Question: 161**

103.8 Basic file editing

In the vi editor, what vi command will copy (but not paste) from the current line at the cursor and the following 16 lines (17 lines total)? Specify the correct vi command without spaces.

**Answer: 17yy**

**Question: 162**

103.7 Search text files using regular expressions

Which of the following commands changes all occurrences of the word "bob" in file data to "Bob"

and prints the result to standard output?

A. sed'/bob/Bob' data

B. sed's/bob/Bob/g' data

C. sed's/bob/Bob/' data

D. sed'/bob/Bob/' data

E. sed's/bob,Bob/' data

**Answer: B**

**Question: 163**

103.2 Process text streams using filters

Which of the following is a limitation of the cut command?

A. The cut command can only select output by field position.

B. The cut command cannot reorder fields.

C. The cut command only works on ASCIItext.

D. The cut command cannot use different input and output delimiters.

**Answer: B**

**Question: 164**

103.2 Process text streams using filters

Which of the following commands will change all CR-LF pairs in an imported text file, userlist.txt, to

Linux standard LF characters and store it as newlist.txt?

A. tr '\r\n' '' < userlist.txt > newlist.txt

B. tr -c '\n\r' '' < newlist.txt > userlist.txt

C. tr -d '\r' < userlist.txt > newlist.txt

D. tr '\r' '\n' userlist.txt newlist.txt

E. tr -s '^M' '^J' userlist.txt newlist.txt

**Answer: C**

**Question: 165**

103.8 Basic file editing

When in Normal mode in vi, which character can be used to begin a reverse search of the text?

A. ?

B. /

C. F

D. r

**Answer: A**

**Question: 166**

103.1 Work on the command line

In compliance with the FHS, in which of the following directories are documentation files found?

A. /usr/share/documentation

B. /usr/local/share/documentation

C. /var/share/doc

D. /usr/share/doc

E. /etc/share/doc

**Answer: D**

**Question: 167**

103.2 Process text streams using filters

Which of the following commands converts spaces in a file to tab characters and prints the result to

standard output?

A. iconv

B. expand

C. unexpand

D. tab

**Answer: C**

**Question: 224**

103.2 Process text streams using filters

Which of the following commands prints a list of usernames (first column) and their primary group

(fourth column) from the /etc/passwd file?

A. fmt -f 1,4 /etc/passwd

B. cut -d : -f 1,4 /etc/passwd

C. sort -t : -k 1,4 /etc/passwd

D. paste -f 1,4 /etc/passwd

E. split -c 1,4 /etc/passwd

**Answer: B**

**Question: 225**

103.7 Search text files using regular expressions

Which of the following regular expressions represents a single upper-case letter?

A. :UPPER:

B . [A - Z ]

C . ! a -z

D. %C

E. {AZ}

**Answer: B**

**Question: 226**

103.7 Search text files using regular expressions

Given a log file loga.log with timestamps of the format DD/MM/YYYY:hh:mm:ss, which command

filters out all log entries in the time period between 8:00 am and 8:59 am?

A. grep -E ':08:[09]+:[09]+' loga.log

B. grep -E ':08:[00]+' loga.log

C. grep -E loga.log ':08:[0-9]+:[0-9]+'

D. grep loga.log ':08:[0-9]:[0-9]'

E. grep -E ':08:[0-9]+:[0-9]+' loga.log

**Answer: E**

**Question: 231**

103.3 Perform basic file management

Which of the following commands list all files and directories within the /tmp/ directory and its

subdirectories which are owned by the user root? (Choose two.)

A. find /tmp -user root -print

B. find -path /tmp -uid root

C. find /tmp -uid root -print

D. find /tmp -user root

E. find -path /tmp -user root -print

**Answer: A,E**

**Question: 232**

103.4 Use streams, pipes and redirects

Which of the following are valid stream redirection operators within Bash? (Choose two.)

A. <

B. # >

C . %>

D. >>>

E. 2>&1

**Answer: A,E**

**Question: 233**

103.8 Basic file editing

Which of the following vi commands deletes two lines, the current and the following line?

A. d2

B. 2d

C. 2dd

D. dd2

E. de12

**Answer: C**

**Question: 234**

103.5 Create, monitor and kill processes

The command dbmaint & was used to run dbmaint in the background. However, dbmaint is terminated after logging out of the system. Which alternative dbmaint invocation lets dbmaint

continue to run even when the user running the program logs out?

A. job - bdmaint

B. dbmaint &>/dev/pts/null

C. nohupdbmaint &

D. bg dbmaint

E. wait dbmaint

**Answer: D**

**Question: 235**

103.5 Create, monitor and kill processes

Which program runs a command in specific intervals and refreshes the display of the program's

output? (Specify ONLY the command without any path or parameters.)

**Answer: watch**

**Question: 236**

103.2 Process text streams using filters

Which of the following commands changes all CR-LF line breaks in the text file userlist.txt to Linux

standard LF line breaks and stores the result in newlist.txt?

A. tr -d '\r' < userlist.txt > newlist.txt

B. tr -c '\n\r' '' <newlist.txt> userlist.txt

C. tr '\r\n' '' <userlist.txt> newlist.txt

D. tr '\r' '\n' userlist.txt newlist.txt

E. tr -s '/^M/^J/' userlist.txt newlist.txt

**Answer: A**

**Question: 237**

103.3 Perform basic file management

Given the following input stream:

txt1.txt atxt.txt txtB.txt

Which of the following regular expressions turns this input stream into the following output stream?

txt1.bak.txt atxt.bak.txt txtB.bak.txt

A. s/^.txt/.bak/

B. s/txt/bak.txt/

C. s/txt$/bak.txt/

D. s/^txt$/.bak^/

E. s/[.txt]/.bak$1/

**Answer: B**

**Question: 238**

103.8 Basic file editing

Which command must be entered before exiting vi to save the current file as filea.txt?

A. %s filea.txt

B. %w filea.txt

C. :save filea.txt

D. :w filea.txt

E. :s filea.txt

**Answer: D**

**Question: 239**

103.4 Use streams, pipes and redirects

Which of the following commands displays the output of the foo command on the screen and also

writes it to a file called /tmp/foodata?

A. foo | less /tmp/foodata

B. foo | cp /tmp/foodata

C. foo > /tmp/foodata

D. foo | tee /tmp/foodata

E. foo > stdout >> /tmp/foodata

**Answer: D**

**Question: 240**

103.1 Work on the command line

What output will be displayed when the user fred executes the following command?

echo 'fred $USER'

A. fred fred

B. fred /home/fred/

C. 'fred $USER'

D. fred $USER

E. 'fred fred'

**Answer: A**

**Question: 241**

103.1 Work on the command line

Which of the following commands displays the path to the executable file that would be executed

when the command foo is invoked?

A. lsattr foo

B. apropos foo

C. locate foo

D. whatis foo

E. which foo

**Answer: E**

**Question: 242**

103.3 Perform basic file management

When redirecting the output of find to the xargs command, what option to find is useful if the

filenames contain spaces?

A. -rep-space

B. -printnul

C. -nospace

D. -ignore-space

E. -print0

**Answer: E**

**Question: 243**

103.4 Use streams, pipes and redirects

What is true regarding the command

ls > files

if files does not exist?

A. The output of ls is printed to the terminal

B. files is created and contains the output of ls

C. An error message is shown and ls is not executed

D. The command files is executed and receives the output of ls

E. Any output of ls is discarded

**Answer: B**

**Question: 244**

103.1 Work on the command line

Which of the following files, located in a user's home directory, contains the Bash history?

A. .bashrc\_history

B. .bash\_histfile

C. .history

D. .bash\_history

E. .history\_bash

**Answer: B**

**Question: 245**

103.3 Perform basic file management

Which wildcards will match the following filenames? (Choose two.)

ttyS0 ttyS1 ttyS2

A. ttyS[1-5] B. tty?[0-5]

C. tty\*2

D. tty[A-Z][012]

E. tty[Ss][02]

**Answer: B,D**

**Question: 246**

103.4 Use streams, pipes and redirects

Which of the following commands redirects the output of ls to standard error?

A . l s > -1

B. l s < < E RR

C. ls >&2

D. ls >>2

E. ls |error

**Answer: C**