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https://moodle.glg.miamioh.edu/glgmoodle/mod/quiz/review.php?attempt=156790

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IRIS 2022 Seismology Skill Building Workshop OSL
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                                                Grade 100.00 out of 100.00
                                   Question 1
                                                                                                                                                                                                                                                                    1. Redirection
                                Correct
                                1.00 points out of
                                                  Most processes initiated by Linux commands write to the standard output (that is, they write directly to your screen), and many take their input from the standard error, where processes write their error messages, by default, to your screen.
                                                 We have already seen one use of the cat command to write the contents of a file to the screen.
                                                  Now make sure you are in your act1 directory (you can use cd ~/groupwork/act1 to ensure that), then type cat without specifying a file to read
                                                  (iris) jupyter-[your username]:~/groupwork/act1> cat
                                                  Then type a few words on the keyboard and press the [Enter] key.
                                                  Finally hold the [Ctrl] key down and press the letter [D] to end the input.
                                                  What happens if you run the cat command without specifying a file to read?
                                                      a. It reads the standard output (the keyboard), copies the output to the standard input (the screen) after receiving [Enter], and upon receiving the 'end of file' (Ctrl-D), it stops.
                                                      b. It reads the standard output (the screen), and upon receiving the 'end of file' (Ctrl-D), it stops.
                                                    🔍 c. It reads the standard input (the keyboard), copies the input to the standard output (the screen) after receiving [Enter], and stops upon receiving the 'end of file' (Ctrl-D). 🧹
                                                      d. It reads the standard output (the screen), and upon receiving the 'end of file' (Ctrl-D), copies it to the standard error (the screen).
                                                      e. It reads the standard error (the screen), and upon receiving the 'end of file' (Ctrl-D), copies it to the standard output (the screen).
                                                     f. It reads the standard error (the screen), and upon receiving the 'end of file' (Ctrl-D), it stops.
                                                   Check
                                                  Correct
                                                  Marks for this submission: 1.00/1.00.
                                   Question 2
                                                                                                                                                                                                                                                            2. Redirecting the Output
                                Correct
                                1.00 points out of
                                                  In Linux, we can redirect both the input and the output of commands. We use the > symbol to redirect the output of a command. For example, to create a file called list1 containing a list of fruit, type
                                                  (iris) jupyter-[your username]:~/groupwork/act1> cat > list1
                                                  Then type in the names of some fruit, being sure to press the [Enter] key after each one.
                                                  banana
                                                 [Crtl]-[D] (to stop)
                                                  What happens is the cat command reads the standard input (the keyboard) and the > redirects the output, which normally goes to the screen, into a file called list1
                                                  To read the contents of the list1 file, type
                                                  (iris) jupyter-[your username]:~/groupwork/act1> cat list1
                                                  What are the contents of list1?
                                                  Select one:
                                                      a. pear
                                                      apple
                                                      banana
                                                      b. pear banana apple
                                                      c. pear
                                                      banana
                                                      apple
                                                      d. pear,apple,banana
                                                    e. pear
                                                      banana
                                                      apple 🧹
                                                  Check
                                                  Marks for this submission: 1.00/1.00.
                                   Question 3 Using the same method, create another file called list2 containing the following fruit on separate lines: orange, plum, mango, grapefruit. Then read the contents of list2.
                                Correct
                                                  Which of the following shows the correct commands to make this happen?
                                1.00 points out of 1.00
                                                  Select one:
                                Flag question
                                                      a. cat > list1
                                                      orange
                                                      plum
                                                      mango
                                                      grapefruit
                                                      Ctrl-D
                                                      cat list2
                                                      b. cat > list2
                                                      orange, plum, mango, grapefruit, Ctrl-D
                                                      read list2
                                                      c. cat < list2
                                                      orange
                                                      plum
                                                      mango
                                                      grapefruit
                                                      Ctrl-D
                                                      cat list2
                                                      d. cat < list1
                                                      orange, plum, mango, grapefruit, Ctrl-D
                                                      read list2
                                                      orange, plum, mango, grapefruit, Ctrl-D
                                                      read list2
                                                    f. cat > list2
                                                      orange
                                                      plum
                                                      mango
                                                      grapefruit
                                                      Ctrl-D
                                                      cat list2 🧹
                                                   Check
                                                  Correct
                                                  Marks for this submission: 1.00/1.00.
                                   Question 4 The form >> appends standard output to a file. So to add more items to the file list1, type
                                                  (iris) jupyter-[your username]:~/groupwork/act1> cat >> list1
                               1.00 points out of Then type in the names of more fruit
                                Flag question
                                                  grape
                                                  orange
                                                  [Crtl]-[D] (to stop)
                                                  To read the contents of the file, type
                                                  (iris) jupyter-[your username]:~/groupwork/act1> cat list1
                                                  How many lines with a fruit are in the list1 file now?
                                                  Marks for this submission: 1.00/1.00.
                                   Question 5 You should now have two files with different amounts of fruit in them. We will now use the cat command to join (concatenate) list1 and list2 into a new file called biglist. Type
                                                  (iris) jupyter-[your username]:~/groupwork/act1> cat list1 list2 > biglist
                                                  What this is doing is reading the contents of list1 and list2 in turn, then outputting the text to the file biglist
                                                  To read the contents of the new file, type
                                                   (iris) jupyter-[your username]:~/groupwork/act1> cat biglist
                                                  Which of the following is correct about the contents of biglist?
                                                  Select one:
                                                   a. biglist has 10 lines, starting with pear and ending with grapefruit 🗸
                                                     b. biglist has 4 lines, starting with orange and ending with grapefruit
                                                      c. biglist has 10 lines, starting with orange and ending with apple
                                                      d. biglist has 7 lines, starting with pear and ending with grapefruit
                                                      e. biglist has 6 lines, starting with pear and ending with orange
                                                   Check
                                                  Correct
                                                  Marks for this submission: 1.00/1.00.
                                   Question 6
                                                                                                                                                                                                                                                              3. Redirecting the Input
                                1.00 points out of
                                                                                                                                                                                                                                                                           sort
                                                  We use the < symbol to redirect the input of a command.
                                                  The command sort alphabetically or numerically sorts a list. Type
                                                  (iris) jupyter-[your username]:~/groupwork/act1> sort
                                                  Then type in the names of some vegetables, being sure to press the [Enter] key after each one:
                                                  carrot
                                                  beetroot
                                                  artichoke
                                                  Ctrl-D (to stop)
                                                  Which of the following is the output of this
                                                  Select one:
                                                      a. carrot
                                                      beetroot
                                                      artichoke
                                                      b. beetroot
                                                      carrot
                                                      artichoke
                                                    c. artichoke
                                                      beetroot
                                                      carrot 🗸
                                                      d. artichoke
                                                      carrot
                                                      beetroot
                                                      e. beetroot
                                                      artichoke
                                                      carrot
                                                      f. carrot
                                                      artichoke
                                                      beetroot
                                                  Marks for this submission: 1.00/1.00.
                                                 Using < you can redirect the input to come from a file rather than the keyboard. For example, to sort the list of fruit, type
                                                  (iris) jupyter-[your username]:~/groupwork/act1> sort < biglist</pre>
                                1.00 points out of
                                                 and the sorted list will be output to the screen.
                                                  To output the sorted list to a file, type,
                                                  (iris) jupyter-[your username]:~/groupwork/act1> sort < biglist > slist
                                                  Use cat to read the contents of the file slist
                                                  Match the fruits with their order in the slist file
                                                                 ~ ~
                                                  grape
                                                  Check
                                                  Marks for this submission: 1.00/1.00.
                                   Question 8 Use cat to make a file called names.txt that has the names of the last 3 presidents, each person on a separate line, with the first and last name listed together on each line. Now use sort to sort the names and redirect the output to names-sort.txt. Did it sort the names by first name or last name?
                                Correct
                                                  Select one:
                                1.00 points out of
                                1.00
                                                   a. first name 
                                Flag question
                                                     b. last name
                                                  Marks for this submission: 1.00/1.00.
                                   Question 9
                                                                                                                                                                                                                                                                        4. Pipes
                                Correct
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Linux Tutorial 2: Next Steps 8/3/22, 9:09 PM This command will produce a lot of results because there are a lot of command directly to the input of another command to filter the output to only show the results that have the word 'file' in them? Think about what command allows you to search for specific words and what allows you to connect the output of one command directly to the input of another command. Answer: apropos copy | grep file Check Correct
Marks for this submission: 1.00/1.00. Question 21 8. Redoing or Adjusting Previous Commands Correct 1.00 points out of 1.00 Arrow Keys Flag question You can review a list of previous commands you have run by using the up and down arrow keys. The up arrow moves backwards in time, the down arrow moves forwards in time, the down arrow moves forwards in time. If you find a command you would like to run again, you can simply click the [Enter] key once you find it in the list. If you find a command that ran before is similar to what you want to run now, but you need to make an adjustment to it, simply use the right and left arrow keys to move through the text of the previous command, write new text, and then click the [Enter] key. For example, use the arrow keys to find the previous instance of using the whatis command you ran, then change the wc part to more, and then click the [Enter] key. Try this a few more times, but change the wc part to cat, head, grep, and pwd. Match the commands with their whatis descriptions. copy the first part of files head 🗸 🗸 display files on a page-by-page basis more 🗸 🗸 search a file for a pattern grep 🗸 🗸 concatenate and print files return current/working directory name pwd v Check Correct Marks for this submission: 1.00/1.00.

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Finish review

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