Nano and File Paths Homework

Lesson 1

QBIO Public Data Analysis

Nicole Black, David Wen

Try using TABcomplete throughout

this homework!

Background:

Date: 1/17/22

Name: Brian Tinsley

File paths are very important to understand. What different file paths can we use?

- Absolute File Paths: The *entire* path of a file or folder starting with /
 - Mac Example: /Users/Kate/Documents/job docs/my resume.pdf
 - PC Example: /mnt/c/Users/Kate/Documents/job docs/my resume.pdf
- Relative File Paths: A shortened file path that takes your current location into consideration.
 - is the current directory, is one directory previous or above.
 - kguion@LAPTOP147 Documents % job_docs/my_resume.pdf
 - kguion@LAPTOP148: /mnt/c/Users/Kate/Documents \$.../Desktop/projects/final pres.ppt

Activity:

- 1. Navigate to your Documents folder using cd PATH/TO/Documents
- 2. List your documents using ls
- 3. Make a directory named "QBIO test folder" using mkdir
- 4. Navigate into "QBIO test folder" using cd
- 5. Create a text file using nano test.txt
- 6. Type a message.
- 7. Write out, save, and exit your file.
- 8. Use the move, my , command to move test.txt from QBIO test folder to Documents.
 - The format is: MV PATH/TO/FILE PATH/TO/DESTINATION (notice the space between file and destination)
 - Mac Example: mv /Users/Kate/QBIO test folder/test.txt /Users/Kate/Documents
 - PC Example: mv /mnt/c/Users/Kate/QBIO test folder/test.txt /mnt/c/Users/Kate/Documents
- 9. Use both your Terminal and GUI file system to view your QBIO test folder and Documents.
- 10. Use mv to move test.txt back to QBIO_test_folder using *relative paths*.
- 11. Use the secure copy, scp , command to copy test.txt from QBIO test folder to Documents.
 - The format is the same for the my command. Try using a relative path with . or
 - TIP: If you want to copy into your current location, just use a . to represent current location
 - REVIEW: How is the scp command different from mv?
- 12. Using nano, edit the test.txt in the *Documents* directory.
- 13. Use cat to view test.txt from Documents AND from QBIO test folder. What do you notice?
- 14. Use rm -r PATH/TO/QBIO test folder/ to delete the entire folder.
 - TIP: The -r flag is added to rm and scp when removing or coping an entire directory rather than an individual file.

Homework Check:

- Draw out the file organization of the box at the top of the worksheet. Start with Users -> Kate. 1.
- 2. To navigate into the projects folder starting from Users/Kate, use: cd Desktop/Projects
- 3. Starting in Users/Kate/Desktop navigate to the job_docs directory using: cd ../documents/job_docs
- 4. To quickly navigate back to Desktop from Users/Kate/Desktop/projects, use: CC
- 6.

5. Starting in Users/Kate/Desktop move my_resume into Desktop with: mv_./Documents/job_docs/my_rseume.pdf Starting in Users/Kate, copy the entire project directory into Documents using absolute file paths: scp -r Desktop/projects Users/Kate/Documents/ and relative file paths: scp -r Desktop/projects Documents