

Branch: master ▾

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Upload files

Find file

History

[vivadata-student-003](#) / [curriculum](#) / [00-Setup](#) / [02-Challenges](#) / [01-Terminal-Poetry](#) /

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 [README.md](#)

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00-01

Challenge 01 - Terminal Poetry



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Objectives

Learn to work with command lines

Guidelines

1. Go to `vivadata-student/curriculum/00-Setup/02-Challenges/01-Terminal-Poetry` using `cd`. Check your position with `pwd`. Create a new directory called `sonnets` and move into it.
2. Pick a poem of your choice <http://shakespeare.mit.edu/Poetry/sonnets.html> :
 - load it in a file called `sonnet_1.txt` using `curl` ;
 - use a manual copy paste and `echo` to create another file `sonnet_2.txt` containing the text of the same poem ;
 - check the content of the two files with `cat` ;
 - compare the two files with `diff` .

3. Use the `echo` command and the redirect operator `>` to make a file called `foo.txt` containing the text "hello, world".

- using the `cp` command, make a copy of `foo.txt` called `bar` ;
- Using the `diff` command, confirm that the contents of both files are the same;
- By combining the `cat` command and the redirect operator `>` , create a copy of `foo.txt` called `baz` without using the `cp` command;
- Create a file called `mix.txt` containing the contents of `foo.txt` followed by the contents of `bar` .

4. Listing files :

- List only the files starting with the letter "b";
- List all the non-hidden files and directories that start with the letter "s";
- List all the non-hidden files that contain the string "onnet", long-form by reverse modification time.

5. Navigating directories :

- Make a directory `backup` with a subdirectory `subdir` , then rename the subdirectory to `nodir` ;
- Copy all the files in `sonnets` , with directory, into `backup` ;
- Copy all the files in `sonnets` , without directory, into `nodir` ;
- Remove `backup` and everything in it using a single command.

6. Inspecting files :

- By searching `man grep` for "line number", construct a command to find the line numbers in `sonnets_2.txt` where the string "is" appears.
- Figure out how to go directly to the last occurrences of "is" when running `less sonnets_2.txt` ;
- By piping the output of `grep` to `head` , print out the first (and only the first) line in `sonnets_2.txt` containing "is".