Readme

1. Complete the printout it without looking stuff up. The tasks are not connected so if you don't know one answer, simply move on.
2. Test your answers (10 points for each correct answer) using the Org-mode version of the quiz (at tinyurl.com): redirection-pop-org. Solution: redirection-pop-solution.
3. An answer is correct (10 points) if it runs and returns the correct result. You can give yourself extra points if you were close!
4. Grade yourself and submit your original paper copy to me no later than Tuesday, April 2, 2.30 pm, with your name and pledge.

Task 1: Locate Standard Device Files

Use the ls command to list all files in the `/dev` directory that include `"std"` in their names.

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Task 2: Understanding `rev` Command

Demonstrate how the `rev` command can reverse a string. Use the string "OpenAI" as an example.

Tip: remember that `rev` operates on `stdin` - so you need to pipe the input into `rev` for this to work in the code block.

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Task 3: Redirect Output to a File

Redirect the listing of all files in the `/usr/bin` directory to a file named `list.txt`, then display only the bottom five lines of the file.

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Task 4: Check File Type

Determine the type of the previously created `list.txt` file.

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Task 5: View Top Lines of a File

Display the first 5 lines of the `list.txt` file, `tee` the output off to a file `top.txt`, and count the number of words.

Task 6: Redirect Non-Existing Directory Listing to a File

Attempt to list a non-existing directory (`/non_existing_dir`) and redirect the error message to a file named `error.txt`, then display the file content.

Task 7: Create an Empty File

Create an empty file named `empty.txt` without using `touch`, just redirection. List the file to make sure it's empty.

Task 8: Append Text to a File

Put the text "Nothing to see here" in a file `append.txt`. Now append the text "Adding more content" to the end of the file and display the file.

Task 9: Display Environment Variables

- On one line, write a list of all environment variables to a file `env.txt` and count the number of variables (the displayed output).
- On the next line count the lines of the file `env.txt` you created.
- On the last line, display only the first line of `env.txt` using the `--lines` flag.

Tip: the `printenv` command prints the list of environment variables.

Task 10: Use a Loop to Create Files

Put the line "Error message:" in a file `error2.txt`. Now list a non-existing directory (`/non_existing_dir`) and append both `stdout` and `stderr` to `error2.txt`. Lastly, count the number of lines of `error2.txt`.