Git Bash Challenge for Students by Nimbus Compute

1. Print the present working directory.

2. Create a directory named `advanced_directory` and navigate into it.

3. Create two files, `file_a.txt` and `file_b.txt`, in `advanced_directory` and list them with detailed information.

4. Create a symbolic link to `file_a.txt` named `link_to_file_a` in the same directory.

5. Change the permissions of `file_b.txt` to make it readable, writable, but not executable by the owner, and read-only for others.

6. Create a new directory `nested_directory` inside `advanced_directory` and copy both `file_a.txt` and `file_b.txt` into it.

7. Navigate into `nested_directory`, create a new file named `secret.txt`, and write "Hello World" into it using a single command.

8. Move `file_a.txt` and `file_b.txt` from `nested_directory` back to `advanced_directory` using one command.

9. Return to `advanced_directory` and create a hidden file named `.hidden_file`.

10. List all files (including hidden ones) in `advanced_directory` with human-readable file sizes.

11. Create a new directory `backup` and archive (`tar`) all files in `advanced_directory` (including hidden files) into `backup/archive.tar`.

12. Extract the contents of `archive.tar` into a directory named `restore`.

13. Create a new file `temp.txt`, then create a hard link to it named `hard_link_to_temp`.

14. Find all `.txt` files within `advanced_directory` and its subdirectories and display their paths.

15. Delete the `backup` directory and its contents, then delete all `.txt` files in the `restore` directory using one command.

16. Create a symbolic link in `advanced_directory` that points to the `restore` directory.

17. Find all files modified in the last 7 days in `advanced_directory` and its subdirectories.

18. Search for the string "Hello World" in all `.txt` files inside `advanced_directory` and its subdirectories.

19. Rename `secret.txt` inside `nested_directory` to `hidden_secret.txt` without changing directories.

20. Copy the entire `restore` directory to another new directory called `duplicate_restore`.

Show all commands