Embedded Linux Z2HV2

Assignment 2 - Bash

Safe Delete Script

# Summary:

The goal of this Assignment is to practice the basics of Shell Scripting Usage and Capabilities.  
Bonus: get familiar with daemons.

# Requirements:

Implement, as a script, a "safe" delete command, sdel.sh.

Filenames passed as command-line arguments to this script are not deleted, but instead gzipped if not already compressed (use file to check), then moved to a ~/TRASH directory. Upon invocation, the script checks the ~/TRASH directory for files older than 48 hours and permanently deletes them.

**Bonus1:**Make the script periodically invoked by the “cron” daemon

**Bonus2:**Write the script so it can handle files and directories recursively. This would give it the capability of "safely deleting" entire directory structures.

**Common bugs you need to take care of:**

- The script should create only 1 TRASH directory in the home directory for the user who is currently using it.

- The script shouldn’t compress a file if it is already compressed(**Hint:** don't rely on filenames for that check)

- Make sure that ur script is portable (e.g. don't use smth like /home/ahmed/....)

- If i passed multiple files or directories to the script it should handle each one alone and provide a zipped file for each entry

# Test Scenarios:

- I will normally try to make your script break or behave incorrectly so use defensive coding strategy to counter wrong user inputs

- I will call the script with single parameters and multiple parameter

- The input parameters can be files and/or directories

# How to deliver your work:

Create a Repository on your GitHub account and name it Embedded\_Linux\_Z2H (already created)

Create a folder within this repo called assignement\_2\_bash

Create your script in that folder and Name your script: sdel.sh

Commit and push your changes to the repo

Export your script to .pdf format

Submit A link to your “Repository” and both files “sdel.sh” and “sdel.sh.pdf” to the Assignment on google Classroom