

PRACTICAL EXERCISES (CLASSROOM)

Develop a new script that:

- Creates a new folder in your personal folder
- Creates a new file in the newly created folder
- Show the newly created folder and file and relevant information (permissions, owner, group, size...) about the file and folder

The folder and file names will be supplied to the script by the user

Script name: script01.sh

Status exit 0

Develop a script that:

- Check if the folder exists in your home directory
- If folder exists script show the message "Folder exists" and ends with code 1
- If folder does not exist scripts creates the folder

The folder name will be supplied to the script by the user

Script name: script02.sh

Status exit 1

Develop a script that asks the user 3 values

- First value is a number (integer or float)
- Second values is a number (integer or float)
- Third values is "a" for "addition" and any other character for "multiplication"

If third argument is:

- "a" -> the script adds argument 1 to arguemnt 2 and shows the result
- any other option --> the script multiplies argument 1 to 2 argument 2 and shows the result

Script name: script03.sh

Status exit 10

Develop a script that provides a menu with 3 options to the user

- 1- Add a group called inf1 with gid=4040 to your sistem.
- 2- Check that group inf1 was created on your system
- 3- Remove group inf1 from your system

You have to take into consideration that:

- Only a users with root permissions can run the script
- The "if" construction is not allowed.

Script name: script04.sh

Status exit 0

Improve script04.sh:

- Ask the user if he/she wants to display again the menu in order to select a new option
- If the user writes "y" the menu is shown again. Otherwise, the script ends.

Script name: script05.sh

Develop a script that creates 50 group with gid starting in 5000 and a group name equal to clot<number> where <number>

Script name: script06.sh

Status exit 0

Develop a script that remove groups created in script08.sh.

Script name: script07.sh

Status exit 10

Develop a script that:

- Ask the user a directory name. If the directory does not exist it will be created by the script.
- Ask the user an extension
- Ask the user a second directory where files with the extension given by the user could be found.
- Each file in the second directory with the extension provided by the user will be copied in the directory created in the first step.
- Afterwards, the script packs all files copied in the first directory into a file called backup_<date>.tar where <date> is the current date and time.
- Finally, backup_<date>.tar will be compressed.

Script name: script08.sh

Status exit 5