

# Hands-on Questions

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## Part 1 (Text Editors, Text Manipulation, Redirection and piping)

1. Create a file called `progs` containing all programs in your system.

Hint1: all programs in the system are located at `/usr/bin` directory.

Hint2: remember `ls` command.

2. Open `progs` file using vim program and then:
  - a. delete first line.
  - b. go to the last line.
  - b. write any thing after the last line.
  - c. save and exit the file.
3. Get the first `500` programs in the recently created file `and` convert them to `Upper Case Letters` `and` apend the result to a file called `uProgs`
4. print to the terminal all programs in the `progs` file you have recently created that have the word `gnome` in their name.

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## Part 2 ( Users and Groups )

1. Create a `user` called `ali`.
2. Set password to `user` `ali`.
3. create `group` called `admins`.
4. add user `user` `ali` to `admins` group, `without` changing his primary group.
5. create a file called `file1.txt` at `/home/ali/`.
6. `delete` user `ali`.
7. `delete` group `admins`.

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## Part 3 ( Package Managers, and Processes )

1. `Update` your system.
2. run `neofetch` program by typing `neofetch` in your terminal.

if it is not installed then `install it`.

3. run `gnome-calaculator` program by typing `gnome-calculator` in your terminal, then `list` the content of your `CWD`.

- a. do not `close` `gnome-calcluator` program.
- b. do not `open` new terminal.

## Answers

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