Question 1

awk

- Description:

  - awk is asdasdkasdpkasdmfasdfkad psd as

- Formula:

- `awk + options + {awk command} + file`

- `command output│awk + options + {awk command}`

- Examples:

  - how to print the first field of a file:
    - `awk -F':' '{print $1}' /etc/passwd`
  - How to start printing from a different line
    - `awk 'NR > 3 {print}' /etc/passwd`
  - how to change a field to upper case:
    - `awk -F: '{print toupper($1)}'`

cat

- Description:
  - Used for seeing the content of a file. Also used for concatinating files.
- Syntax/Formula:
  - `cat + option + file or files to view/concatinate`
- Examples:
  - How to see the content of a file:
    - `cat /etc/passwd`
  - How to see the content of a file with line numbers:
    - `cat -n /etc/passwd`
  - How to see the content of a file with endling line character
    - `cat -E /etc/passwd`
    - Command Output:

```
gnome-initial-setup:x:125:65534::/run/gnome-initial-setup/:/bin/false$
hplip:x:126:7:HPLIP system user,,,:/run/hplip:/bin/false$
gdm:x:127:133:Gnome Display Manager:/var/lib/gdm3:/bin/false$
raalberto:x:1000:1000:raalberto,,,:/home/raalberto:/bin/bash$
vboxadd:x:999:1::/var/run/vboxadd:/bin/false$
fwupd-refresh:x:128:136:fwupd-refresh
user,,,:/run/systemd:/usr/sbin/nologin$
_flatpak:x:129:138:Flatpak system-wide installation
helper,,,:/nonexistent:/usr/sbin/nologin$
sshd:x:130:65534::/run/sshd:/usr/sbin/nologin$
```

cp

cut

grep

head

ls

man

mkdir

mv

tac

tail

- Description:
- Formula:
- Examples
  - How to see the last line in a file
    - `tail -1 /etc/passwd`

> command output

```
sshd:x:130:65534::/run/sshd:/usr/sbin/nologin
```

touch

tr

tree

vim/nano

Question 2

- How to work with multiple terminals open?
  - open one terminal the open another terminal and set them side by side. Or user tillix and split the terminal as needed.
- How to work with manual pages?
- How to parse (search) for specific words in the manual page
- How to redirect output (> and |)

- How to append the output of a command to a file
- How to use wildcards (For copying and moving multiple files at the same time)
- How to use brace expansion (For creating entire directory structures in a single command)

3 / 3