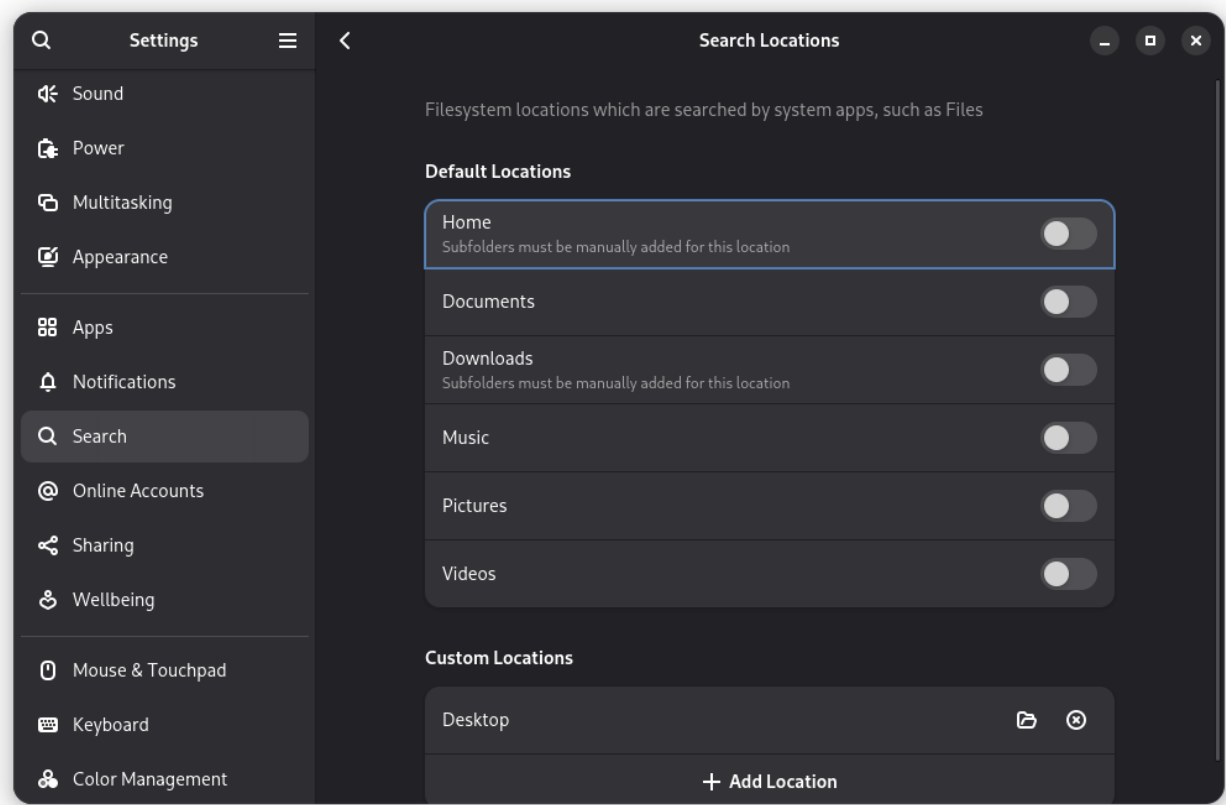
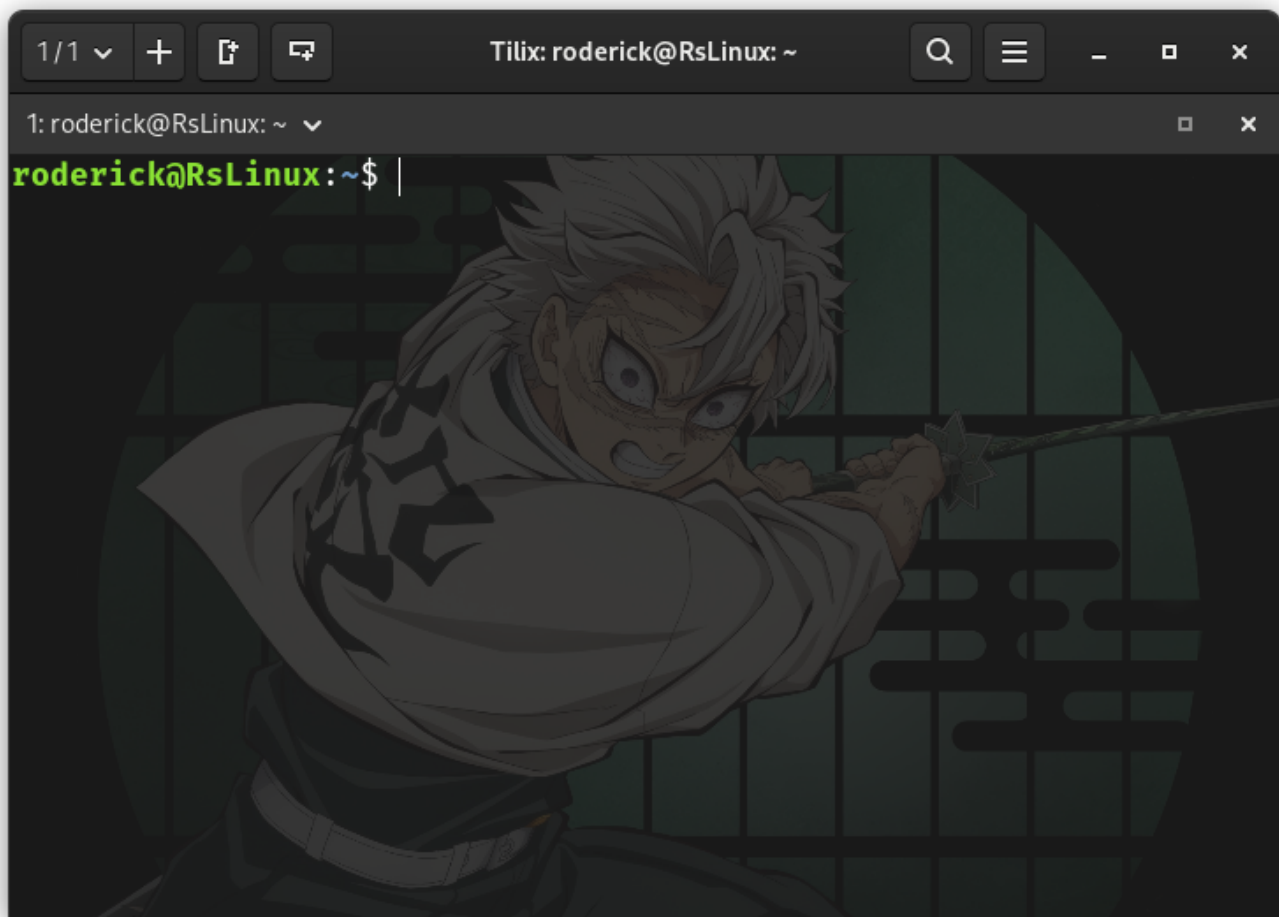


Lab 3

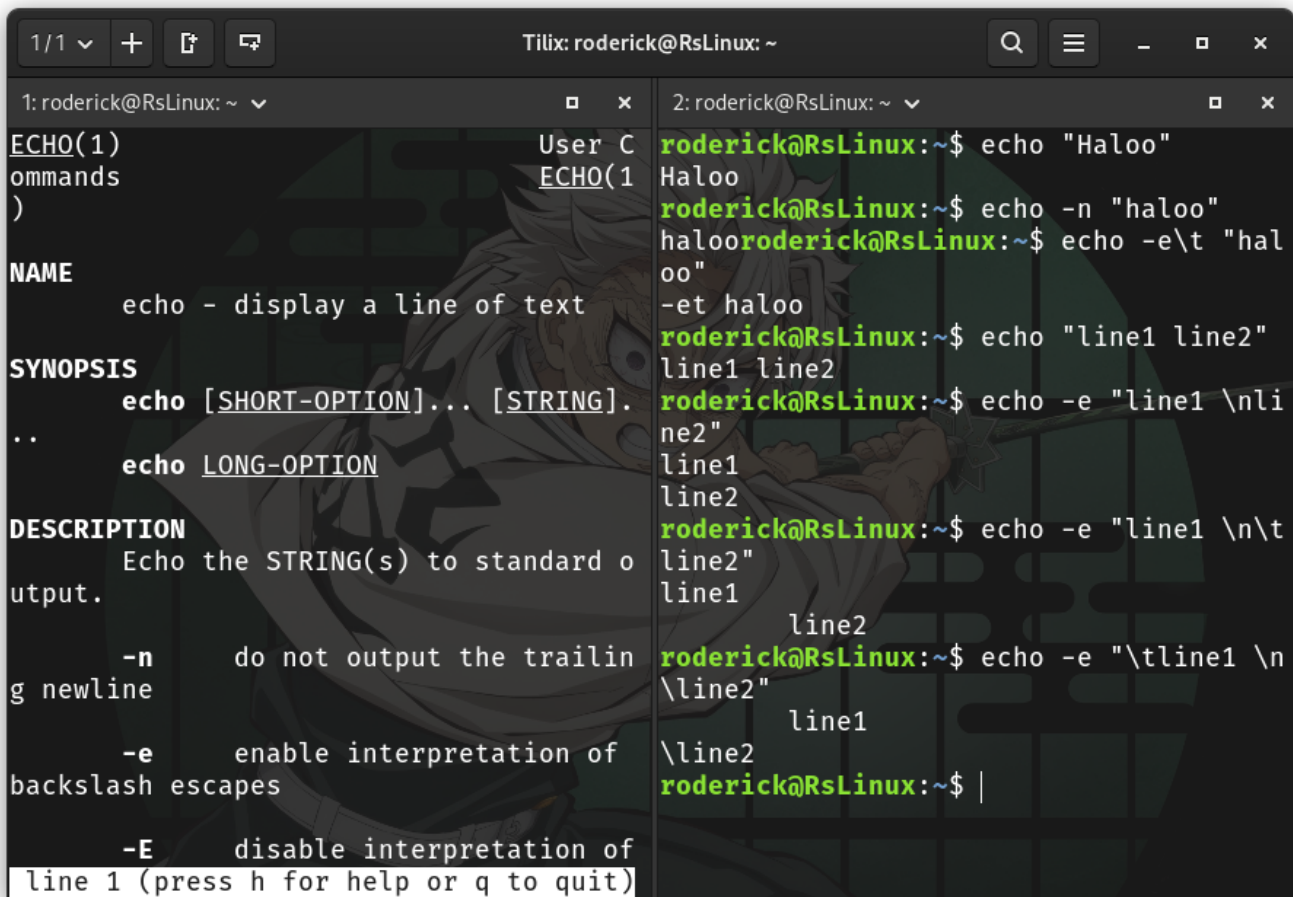
Question 1



Question 2



Question 3



The screenshot shows a Tilix terminal window with two panes. The left pane displays the help text for the 'echo' command, and the right pane shows a series of terminal commands and their outputs.

Left Pane (Help Text):

```
1: roderick@RsLinux: ~
ECHO(1)
ommands
)

NAME
    echo - display a line of text

SYNOPSIS
    echo [SHORT-OPTION]... [STRING].
    ..
    echo LONG-OPTION

DESCRIPTION
    Echo the STRING(s) to standard output.

    -n      do not output the trailing newline
    -e      enable interpretation of backslash escapes
    -E      disable interpretation of backslash escapes

line 1 (press h for help or q to quit)
```

Right Pane (Terminal Output):

```
roderick@RsLinux:~$ echo "Haloo"
Haloo
roderick@RsLinux:~$ echo -n "haloo"
haloo
roderick@RsLinux:~$ echo -e\t "haloo"
-et haloo
roderick@RsLinux:~$ echo "line1 line2"
line1 line2
roderick@RsLinux:~$ echo -e "line1 \nline2"
line1
line2
roderick@RsLinux:~$ echo -e "line1 \n\tline2"
line1
        line2
roderick@RsLinux:~$ echo -e "\tline1 \n\tline2"
        line1
\tline2
roderick@RsLinux:~$ |
```

Challenge question

Tilix: roderick@RsLinux: ~

1: roderick@RsLinux: ~

2: roderick@RsLinux: ~

```
7:2:a00:27ff:fe9f:d5ba",
    "prefixlen": 64,
    "scope": "global",
    "dynamic": true,
    "mngtmpaddr": true,
    "noprefixroute": true,
    "valid_life_time": 8639
9,
14399
    },{
    "family": "inet6",
    "local": "fe80::a00:27f
f:fe9f:d5ba",
    "prefixlen": 64,
    "scope": "link",
    "noprefixroute": true,
    "valid_life_time": 4294
967295,
4294967295
    } ]
} ]
roderick@RsLinux:~$
```

shared Memory used (mostly) by
tmpfs (Shmem in
/proc/meminfo)

buffers Memory used by kernel
buffers (Buffers in
/proc/meminfo)

cache Memory used by the page
cache and slabs (Cached
and SReclaimable in
/proc/meminfo)

buff/cache Sum of **buffers** and **cache**

available Estimation of how much
memory is available for
starting new applica-
tions, without swapping.
Unlike the data provided

221 26% (press h for help or q to quit)