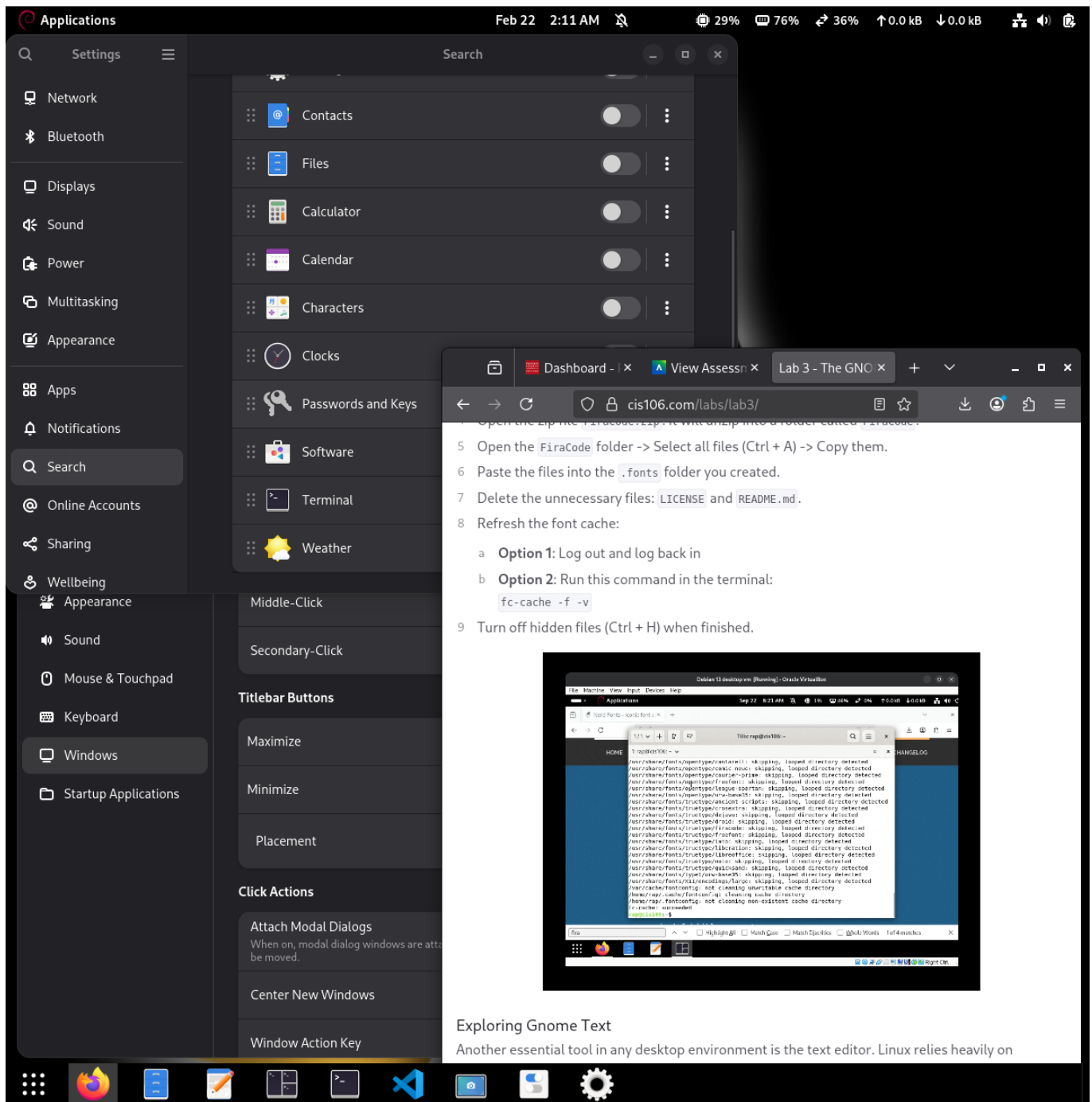


Lab 3 Submission

Question 1



The screenshot displays a Linux desktop environment. On the left, the 'Applications' menu is open, showing various system settings and applications. The 'Settings' application is highlighted. In the center, a web browser window is open, displaying instructions for installing fonts. The instructions are as follows:

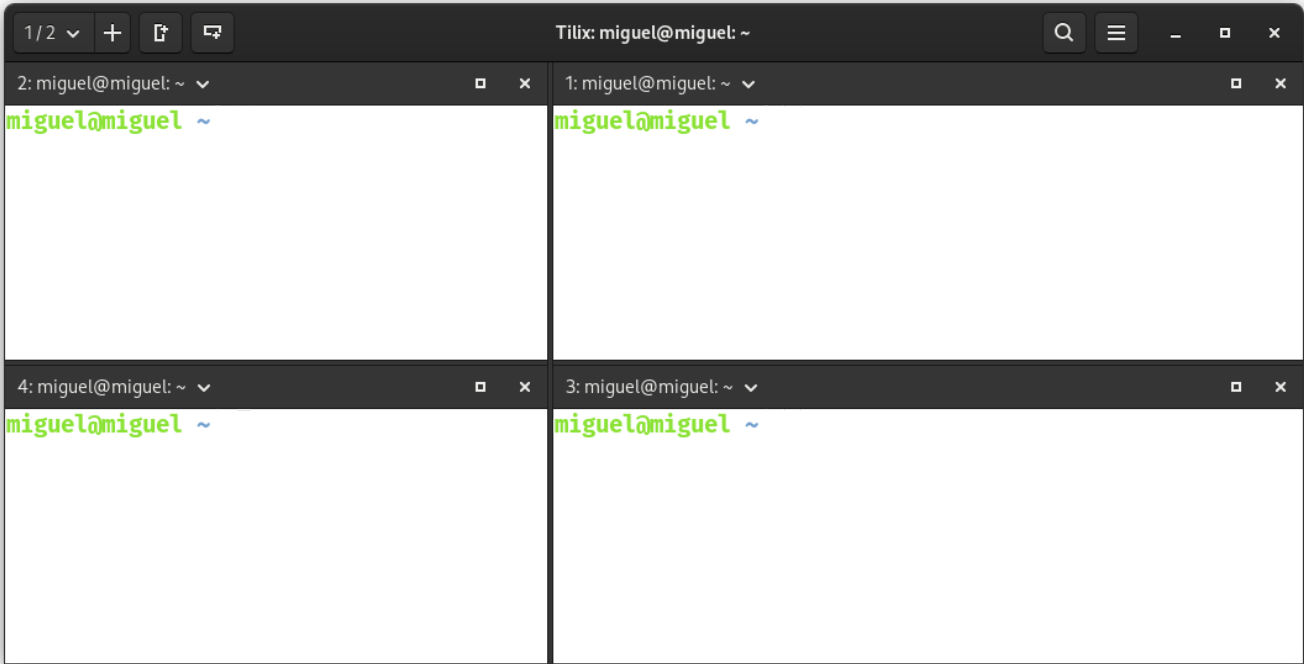
- Open the `FiraCode` folder -> Select all files (`Ctrl + A`) -> Copy them.
- Paste the files into the `.fonts` folder you created.
- Delete the unnecessary files: `LICENSE` and `README.md`.
- Refresh the font cache:
 - Option 1:** Log out and log back in
 - Option 2:** Run this command in the terminal:

```
fc-cache -f -v
```
- Turn off hidden files (`Ctrl + H`) when finished.

Below the instructions, there is a terminal window showing the output of the `fc-cache` command. The output indicates that the font cache has been successfully updated for various fonts, including `libcascadia`.

Exploring Gnome Text
Another essential tool in any desktop environment is the text editor. Linux relies heavily on

Question 2



Question 3



Challenge

```
1/1 v + [ ] x Tilix: miguel@miguel: ~
1: miguel@miguel: ~
miguel@miguel:~$ ip -j -p addr show dev enp0s3
[ {
  "ifindex": 2,
  "ifname": "enp0s3",
  "flags": [ "BROADCAST", "MULTICAST", "UP", "LOWER_UP"
],
  "mtu": 1500,
  "qdisc": "fq_codel",
  "operstate": "UP",
  "group": "default",
  "txqlen": 1000,
  "link_type": "ether",
  "address": "08:00:27:73:e1:4b",
  "broadcast": "ff:ff:ff:ff:ff:ff",
  "altnames": [ "enx08002773e14b" ],
  "addr_info": [ {
    "family": "inet",
    "local": "10.0.2.15",
    "prefixlen": 24,
    "broadcast": "10.0.2.255",
    "scope": "global",
    "dynamic": true,
    "noprerroute": true,
    "label": "enp0s3",
    "valid_life_time": 73412,
    "preferred_life_time": 73412
  }
]
} ]

rently only supported by
ip addr show , ip link
show & ip neigh show
commands.

-j, -json
Output results in
JavaScript Object Notation (JSON).

-p, -pretty
The default JSON format
is compact and more efficient
to parse but hard for most users
to read. This flag adds
indentation for readability.

-echo Request the kernel to
send the applied configuration
back.

IP - COMMAND SYNTAX
OBJECT
anual page ip(8) line 220 (press h for help or q to quit)
```

```
1/1 v + [ ] x Tilix: miguel@miguel: ~
1: miguel@miguel: ~
miguel@miguel:~$ uname -srvmo
Linux 6.12.69+deb13-amd64 #1 SMP PREEMPT_DYNAMIC Debian 6
.12.69-1 (2026-02-08) x86_64 GNU/Linux
miguel@miguel:~$
```

```
rently only supported by
ip addr show , ip link
show & ip neigh show
commands.

-j, -json
Output results in
JavaScript Object Notation (JSON).

-p, -pretty
The default JSON format
is compact and more efficient
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send the applied configuration
back.

IP - COMMAND SYNTAX
OBJECT
anual page ip(8) line 220 (press h for help or q to quit)
```

```
1/1 + [ ] [ ] [ ]
Tilix: miguel@miguel: ~
1: miguel@miguel: ~
miguel@miguel:~$ uname -srvmo
Linux 6.12.69+deb13-amd64 #1 SMP PREEMPT_DYNAMIC Debian 6
.12.69-1 (2026-02-08) x86_64 GNU/Linux
miguel@miguel:~$ date --rfc-3339=seconds
2026-02-22 03:09:27-05:00
miguel@miguel:~$ [ ]

2: miguel@miguel: ~
-r prompt, --prompt=prompt
If a recent version of less is used as the
pager, man will attempt to set its prompt
and some sensible options. The default
prompt looks like

Manual page name(sec) line x

where name denotes the manual page name,
sec denotes the section it was found under
and x the current line number. This is
achieved by using the $LESS environment
variable.

Supplying -r with a string will override
this default. The string may contain the
text $MAN_PN which will be expanded to the
name of the current manual page and its
section name surrounded by "(" and ")".
The string used to produce the default
could be expressed as

\ Manual\ page\ \ $MAN_PN\ ?lt-
line\ %lt?L/%L.:
byte\ %bB?s/%s..?\ (END):?pB\ %pB\%..
e man(1) line 538/939 60% (press h for help or q to quit)
```