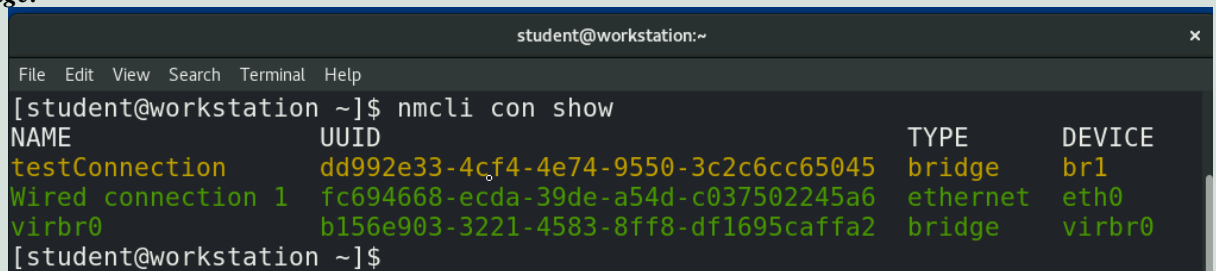Ganpat University

Faculty of Engineering & Technology

Computer Science & Engineering

Name:- **Dwij Vatsal Desai**

Sem:- **2**

Sub: - **BOSS**

Enrollment No.:- **23162121027**

Prac:- **10**

Date:- **20/4/2024**

Practical 10

1. List the current network scenario of your system..

Command:-
        nmcli con show

Image:-

2. Configure your IP Address, Gateway and DNS as follows:
IP Address:192.168.100.XXX/24
Gateway 192.168.100.100
DNS:192.168.100.100
(The name of the connection should be yourname_surname)

Command:-

nmcli connection add con-name dwij ifname eth0 type ethernet ip4
192.168.100.249/24 gw4 192.168.249.100

nmcli connection modify dwij ipv4.dns 192.168.100.249

nmcli con show

Image:-

```
[student@workstation ~]$ nmcli connection add con-name dwij ifname eth0 type
ethernet ip4 192.168.100.249/24 gw4 192.168.100.249
Connection 'dwij' (fc61e859-f427-4d46-b8a4-d4c660834640) successfully added.
[student@workstation ~]$
[student@workstation ~]$ Nmcli connection modify dwij ipv4.dns 192.168.100.24
9
bash: Nmcli: command not found...
Similar command is: 'nmcli'
[student@workstation ~]$ nmcli connection modify dwij ipv4.dns 192.168.100.24
9
[student@workstation ~]$ nmcli con show
NAME                    UUID                                     TYPE      DEVICE
testConnection          dd992e33-4cf4-4e74-9550-3c2c6cc65045     bridge    br1
Wired connection 1      fc694668-ecda-39de-a54d-c037502245a6     ethernet  eth0
virbr0                  b156e903-3221-4583-8ff8-df1695caffa2     bridge    virbr0
dwij                    fc61e859-f427-4d46-b8a4-d4c660834640     ethernet  --
[student@workstation ~]$
```

3.   Activate the newly added network connection

Command:-
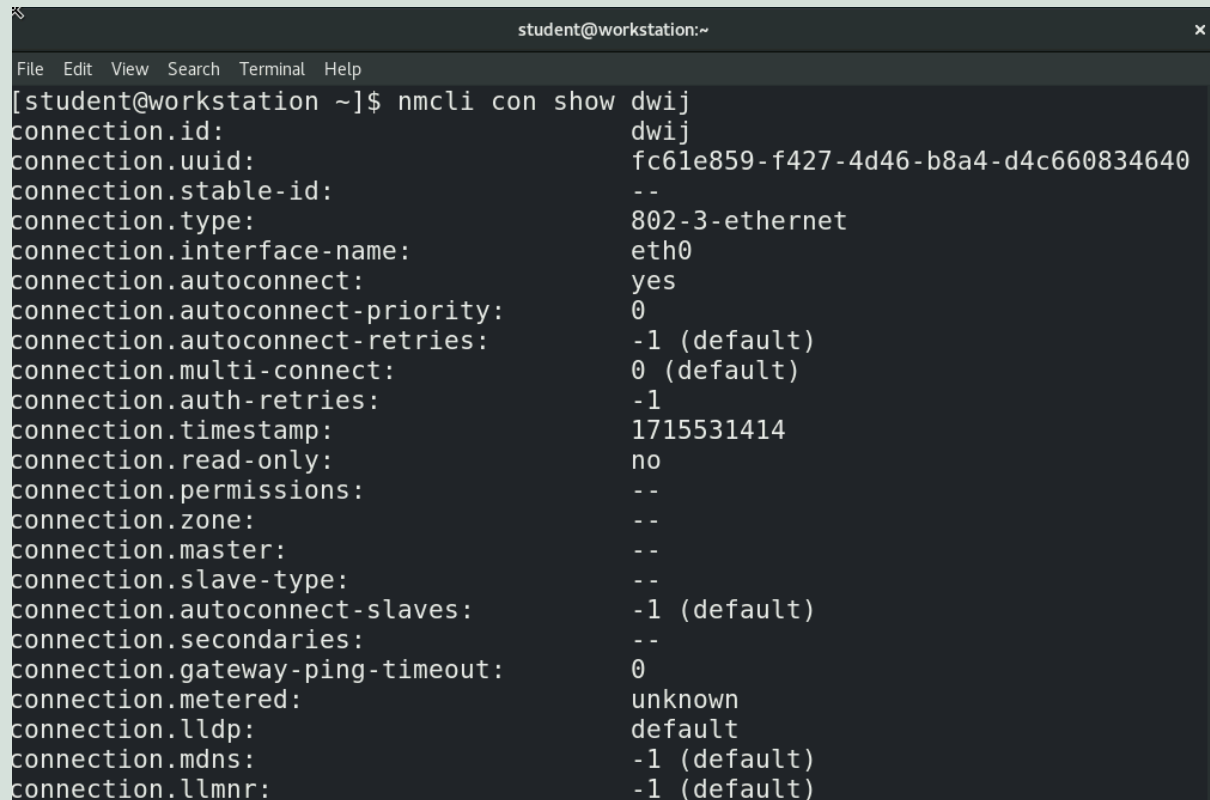nmcli con up dwij

Image:-
```
[student@workstation ~]$ nmcli con up dwij
Connection successfully activated (D-Bus active path: /org/freedesktop/Networ
kManager/ActiveConnection/5)
[student@workstation ~]$
```

4.   Display the details of newly added connection

Command:-
    nmcli con show dwij

Image:-

```
                              student@workstation:~                              ×

File  Edit  View  Search  Terminal  Help
[student@workstation ~]$ nmcli con show dwij
connection.id:                          dwij
connection.uuid:                        fc61e859-f427-4d46-b8a4-d4c660834640
connection.stable-id:                   --
connection.type:                        802-3-ethernet
connection.interface-name:              eth0
connection.autoconnect:                 yes
connection.autoconnect-priority:        0
connection.autoconnect-retries:         -1 (default)
connection.multi-connect:               0 (default)
connection.auth-retries:                -1
connection.timestamp:                   1715531414
connection.read-only:                   no
connection.permissions:                 --
connection.zone:                        --
connection.master:                      --
connection.slave-type:                  --
connection.autoconnect-slaves:          -1 (default)
connection.secondaries:                 --
connection.gateway-ping-timeout:        0
connection.metered:                     unknown
connection.lldp:                        default
connection.mdns:                        -1 (default)
connection.llmnr:                       -1 (default)
```
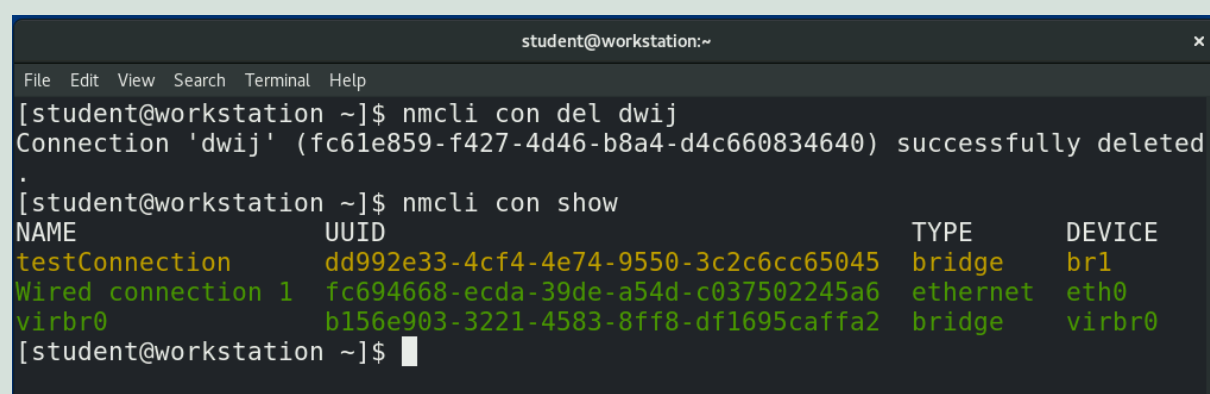
5.   Delete the newly added connection and restore the previous network connection scenario.

Command:-
    nmcli con del dwij

    nmcli con show

Image:-

```
                              student@workstation:~                              ×

File  Edit  View  Search  Terminal  Help
[student@workstation ~]$ nmcli con del dwij
Connection 'dwij' (fc61e859-f427-4d46-b8a4-d4c660834640) successfully deleted
.
[student@workstation ~]$ nmcli con show
NAME                 UUID                                   TYPE       DEVICE
testConnection       dd992e33-4cf4-4e74-9550-3c2c6cc65045   bridge     br1
Wired connection 1   fc694668-ecda-39de-a54d-c037502245a6   ethernet   eth0
virbr0               b156e903-3221-4583-8ff8-df1695caffa2   bridge     virbr0
[student@workstation ~]$
```