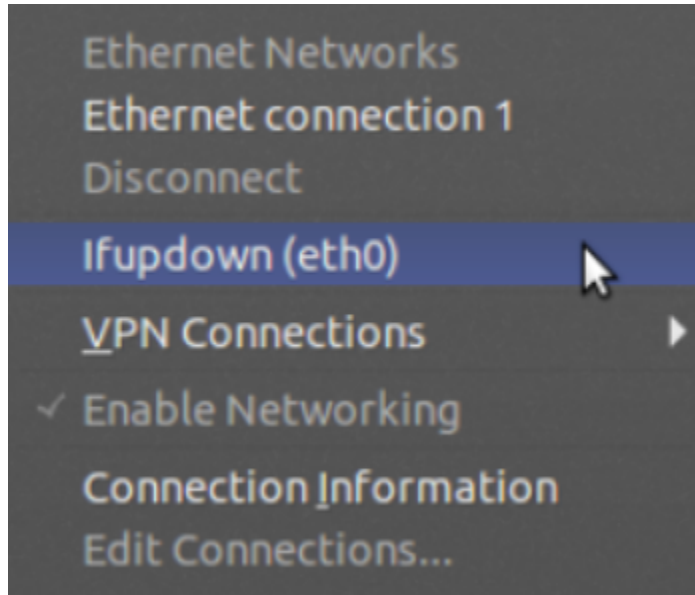# Wifi fix on Linux for Realtek (RTL8821CE) device :

Problem: Wireless network (Wi-Fi) option is not available.

Note: First connect a wired device to your laptop so that you can use internet services to follow further steps.

Step 1: Open Terminal using **Ctrl+Alt+T.**

Step 2: Update system packages using the following command.

`sudo apt-get update`

Step 3: Install the required packages using the following command.

`sudo apt install git build-essential dkms`
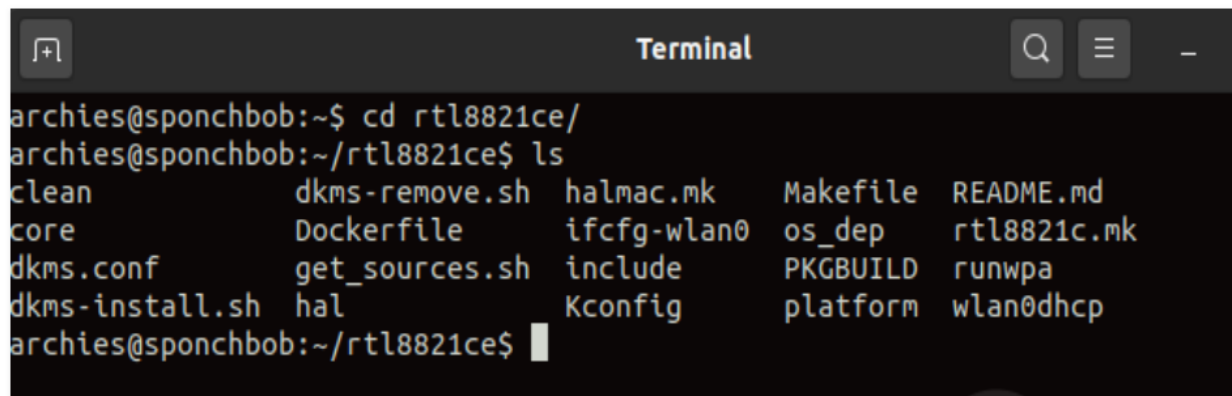
Step 4: Clone the **Realtek RTL8821CE Driver** using the following command.

```
git clone https://github.com/tomaspinho/rtl8821ce
```

Step 5: Move to the repository directory using the following command.

```
cd rtl8821ce
```

```
archies@sponchbob:~$ cd rtl8821ce/
archies@sponchbob:~/rtl8821ce$ ls
clean            dkms-remove.sh  halmac.mk    Makefile   README.md
core             Dockerfile      ifcfg-wlan0  os_dep     rtl8821c.mk
dkms.conf        get_sources.sh  include      PKGBUILD   runwpa
dkms-install.sh  hal             Kconfig      platform   wlan0dhcp
archies@sponchbob:~/rtl8821ce$ 
```

Step 6: Use the following command to make the script of dkms-installation executable.

```
chmod +x dkms-install.sh
```

Step 7: Make the dkms-remove script executable.

```
chmod +x dkms-remove.sh
```

Step 8: Execute the installation script using the below-mentioned command.

```
sudo ./dkms-install.sh
```

After doing these steps restart your PC, and now you can see that the wireless network option is available.