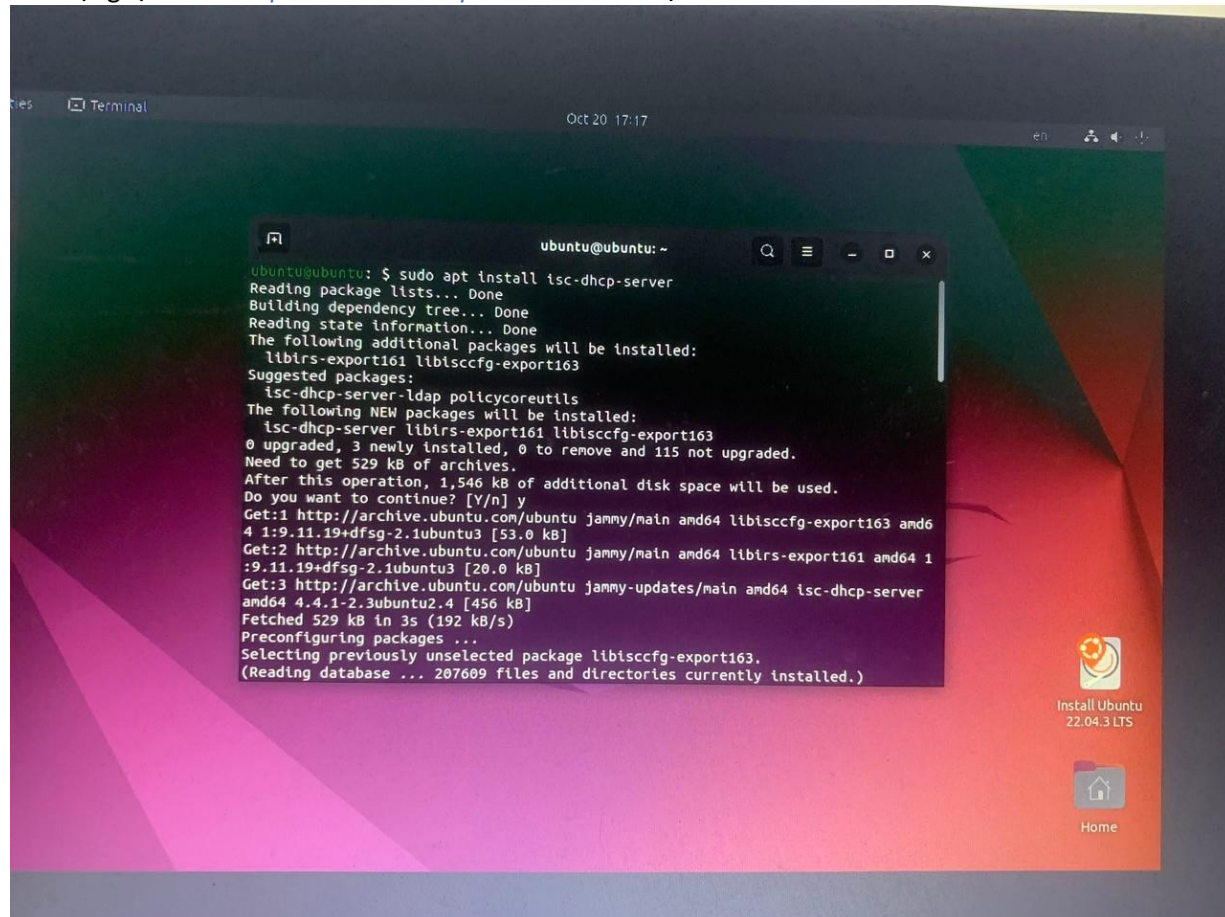


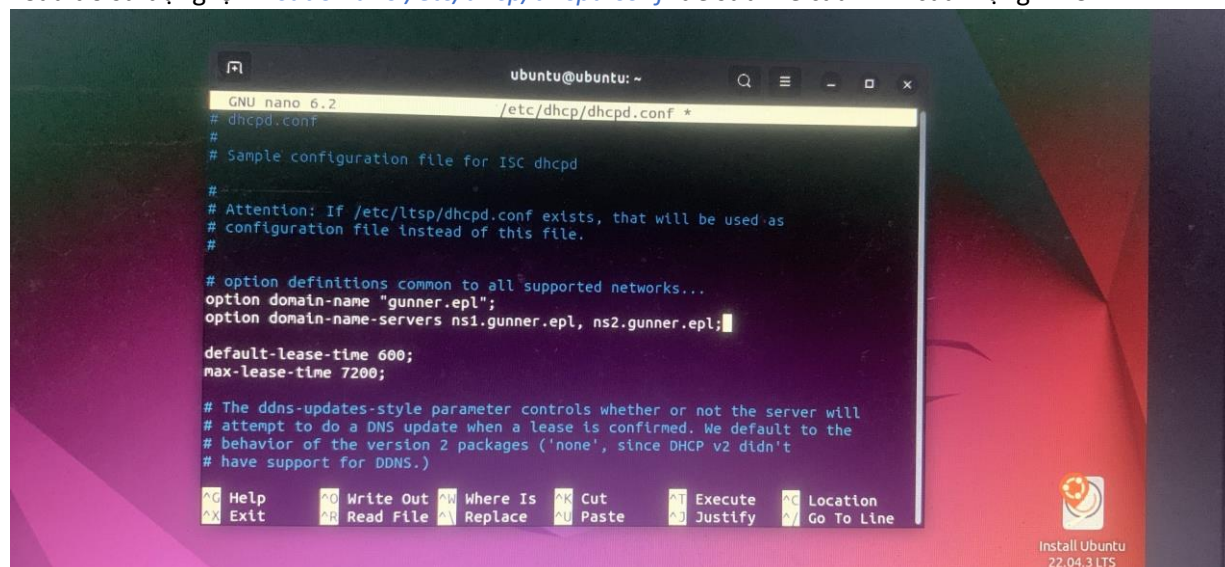
Bài 3:

Sử dụng lệnh '`sudo apt install isc-dhcp-server`' để cài đặt DHCP server



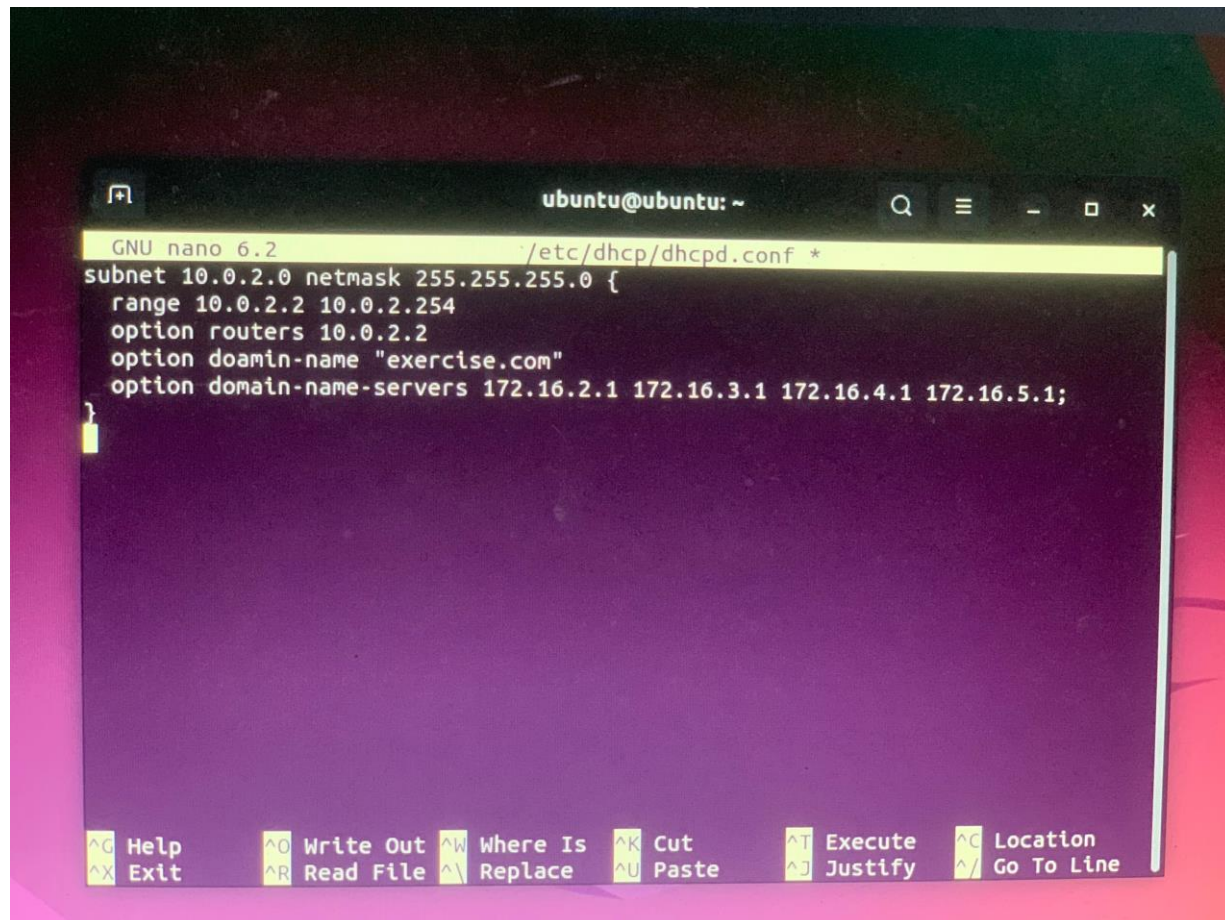
```
ubuntu@ubuntu: ~  
ubuntu@ubuntu:~$ sudo apt install isc-dhcp-server  
Reading package lists... Done  
Building dependency tree... Done  
Reading state information... Done  
The following additional packages will be installed:  
  libirs-export161 libiscfg-export163  
Suggested packages:  
  isc-dhcp-server-ldap polycoreutils  
The following NEW packages will be installed:  
  isc-dhcp-server libirs-export161 libiscfg-export163  
0 upgraded, 3 newly installed, 0 to remove and 115 not upgraded.  
Need to get 529 kB of archives.  
After this operation, 1,546 kB of additional disk space will be used.  
Do you want to continue? [Y/n] y  
Get:1 http://archive.ubuntu.com/ubuntu jammy/main amd64 libiscfg-export163 amd64 4.4.1-2.3ubuntu2.4 [53.0 kB]  
Get:2 http://archive.ubuntu.com/ubuntu jammy/main amd64 libirs-export161 amd64 1:9.11.19+dfsg-2.1ubuntu3 [20.0 kB]  
Get:3 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 isc-dhcp-server amd64 4.4.1-2.3ubuntu2.4 [456 kB]  
Fetched 529 kB in 3s (192 kB/s)  
Preconfiguring packages ...  
Selecting previously unselected package libiscfg-export163.  
(Reading database ... 207609 files and directories currently installed.)
```

Sau đó sử dụng lệnh '`sudo nano /etc/dhcp/dhcpd.conf`' để sửa file cấu hình của mạng DHCP:



```
GNU nano 6.2 /etc/dhcp/dhcpd.conf *  
# dhcpd.conf  
#  
# Sample configuration file for ISC dhcpd  
#  
# Attention: If /etc/ltsp/dhcpd.conf exists, that will be used as  
# configuration file instead of this file.  
#  
# option definitions common to all supported networks...  
option domain-name "gunner.epl";  
option domain-name-servers ns1.gunner.epl, ns2.gunner.epl;  
  
default-lease-time 600;  
max-lease-time 7200;  
  
# The ddns-updates-style parameter controls whether or not the server will  
# attempt to do a DNS update when a lease is confirmed. We default to the  
# behavior of the version 2 packages ('none', since DHCP v2 didn't  
# have support for DDNS.)  
  
^G Help      ^O Write Out ^W Where Is  ^X Cut       ^T Execute  ^C Location  
^A Exit      ^R Read File ^E Replace   ^U Paste    ^J Justify  ^_ Go To Line
```

Sau đó, khai báo subnet:



```
ubuntu@ubuntu: ~  
GNU nano 6.2 /etc/dhcp/dhcpd.conf *  
subnet 10.0.2.0 netmask 255.255.255.0 {  
  range 10.0.2.2 10.0.2.254  
  option routers 10.0.2.2  
  option doamin-name "exercise.com"  
  option domain-name-servers 172.16.2.1 172.16.3.1 172.16.4.1 172.16.5.1;  
}  
  
^G Help      ^O Write Out ^W Where Is  ^K Cut       ^T Execute  ^C Location  
^X Exit      ^R Read File ^\ Replace   ^U Paste     ^J Justify  ^/_ Go To Line
```

Sau đó lưu file bằng cách nhấn Ctrl + S và Ctrl + X

Sau khi cấu hình xong, chạy lệnh sau để khởi động lại dhcpd:

```
sudo systemctl restart isc-dhcp-server.service
```

Cuối cùng, chạy lệnh sau để kiểm tra trạng thái dhcpd:

```
sudo systemctl status isc-dhcp-server.service
```