Experiment 8

Output:

```
student@ubuntu:-$ cd
student@ubuntu:-$ sudo apt update
[sudo] password for student:
Hit:1 http://security.ubuntu.com/ubuntu focal-security InRelease
Hit:2 http://us.archive.ubuntu.com/ubuntu focal InRelease
Err:1 http://security.ubuntu.com/ubuntu focal-security InRelease
Splitting up /var/lib/apt/lists/security.ubuntu.com_ubuntu_dists_focal-security_InRelease into data and signature failed
Err:2 http://us.archive.ubuntu.com/ubuntu focal-updates
Splitting up /var/lib/apt/lists/us.archive.ubuntu.com_ubuntu_dists_focal_InRelease into data and signature failed
Hit:3 http://us.archive.ubuntu.com/ubuntu focal-updates InRelease
Err:3 http://us.archive.ubuntu.com/ubuntu focal-updates InRelease
Splitting up /var/lib/apt/lists/us.archive.ubuntu.com_ubuntu_dists_focal-updates_InRelease into data and signature failed
Hit:4 http://us.archive.ubuntu.com/ubuntu focal-backports InRelease
Err:4 http://us.archive.ubuntu.com/ubuntu focal-backports InRelease
Splitting up /var/lib/apt/lists/us.archive.ubuntu.com_ubuntu_dists_focal-backports_InRelease into data and signature failed
Hit:5 https://deb.nodesource.com/node_15.x focal InRelease
Err:5 https://deb.nodesource.com/node_15.x focal InRelease
Splitting up /var/lib/apt/lists/deb.nodesource.com_node%5f15.x_dists_focal_InRelease into data and signature failed
Reading package lists... Done
Building dependency tree
Reading state information... Done

student@ubuntu:-$ sudo apt install apache2
```

```
Reading package lists... Done
Building dependency tree
Reading state information... Done
Correcting dependencies... Done
The following packages were automatically installed and are no longer required:
linux-headers-5.11.0-37-generic linux-hwe-5.11-headers-5.11.0-37
linux-image-5.11.0-37-generic linux-modules-5.11.0-37-generic
Use 'sudo apt autoremove' to remove them.
The following additional packages will be installed:
linux-generic-hwe-20.04 linux-headers-5.15.0-48-generic
linux-headers-generic-hwe-20.04 linux-hwe-5.11-headers-5.11.0-37
linux-hwe-5.15-headers-5.15.0-48 linux-modules-5.15.0-48-generic
linux-image-generic-hwe-20.04 linux-modules-5.15.0-48-generic
Suggested packages:
fdutils linux-doc | linux-hwe-5.15-source-5.15.0 linux-hwe-5.15-tools
The following NEW packages will be installed:
linux-headers-5.15.0-48-generic linux-hwe-5.11-headers-5.11.0-37
```

```
student@ubuntu:-$ ifconfig
enp0s3: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 172.20.210.129 netmask 255.255.0 broadcast 172.20.210.255
    inet6 fe80::9dc7:e077:bd55:16fb prefixlen 64 scopeid 0x20<link>
    ether 08:00:27:ca:14:26 txqueuelen 1000 (Ethernet)
    RX packets 226752 bytes 333895115 (333.8 MB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 93340 bytes 6441745 (6.4 MB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536
    inet 127.0.0.1 netmask 255.0.0 0
    inet6::1 prefixlen 128 scopeid 0x10<host>
    loop txqueuelen 1000 (Local Loopback)
    RX packets 1543 bytes 166530 (166.5 KB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 1543 bytes 166530 (166.5 KB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

student@ubuntu:-$ ^C
student@ubuntu:-$ sudo passwd root
New password:
Retype new password:
passwd: password updated successfully
student@ubuntu:-$ sano /etc/ssh/sshd_config
student@ubuntu:-$ sudo service sshd restart
```







