Assignment: Lab 15: Automating RHEL installation

Return 1:

The kickstarter configurations is shown below.

```
[root@rhel01 ~]# ls
anaconda-ks.cfg  initial-setup-ks.cfg  ks-gen.cfg
[root@rhel01 ~]# cat ks-gen.cfg
lang en_US
keyboard fi
timezone Europe/Helsinki --isUtc
rootpw $2b$10$HQQOIzYV1qdaX86/Q1oNB.PVL1tfEr4bHpJ0pUJmgpLQGnLrZ989i --iscrypted
#platform x86_64
reboot
text
cdrom
bootloader --append="crashkernel=auto"
zerombr
clearpart --all --initlabel
autopart
auth --passalgo=sha512 --useshadow
selinux --enforcing
firewall --enabled --ssh
skipx
firstboot --disable
%packages
@^minimal-environment
kexec-tools
%end

[root@rhel01 ~]# su manish
[manish@rhel01 root]$
```
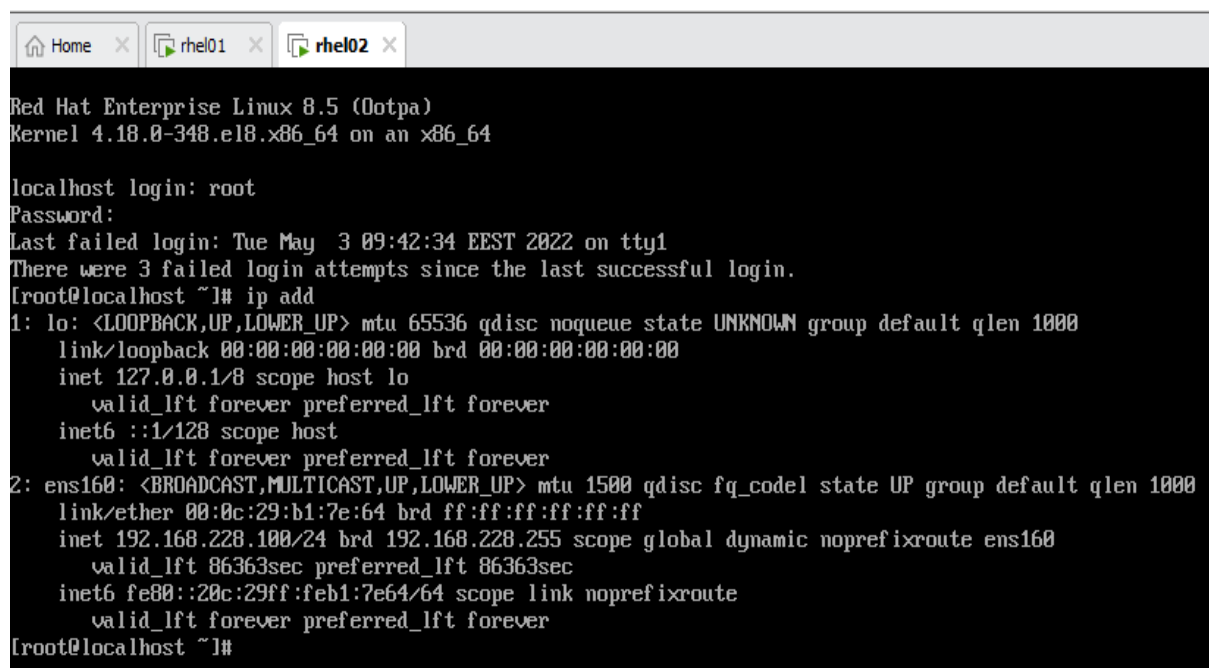
Return 2:

The DHCP Server configurations.

```
[manish@rhel01 root]$ cat /etc/dhcp/dhcpd.conf
cat: /etc/dhcp/dhcpd.conf: Permission denied
[manish@rhel01 root]$ sudo cat /etc/dhcp/dhcpd.conf
#
# DHCP Server Configuration file.
#    see /usr/share/doc/dhcp-server/dhcpd.conf.example
#    see dhcpd.conf(5) man page
#
option domain-name "local.lab";
default-lease-time 86400;

authoritative;

subnet 192.168.228.0 netmask 255.255.255.0 {
        range 192.168.228.100 192.168.228.120;
        option domain-name-servers 192.168.228.2;
        option routers 192.168.228.2;
        option broadcast-address 192.168.228.255;
}
[manish@rhel01 root]$
```

Return 3:

The new machine installed with the kickstarter configurations. We can see that the machine got its IP address from the DHCP pool that rhel01 is hosting.

```
 Home  ×    rhel01  ×    rhel02  ×

Red Hat Enterprise Linux 8.5 (Ootpa)
Kernel 4.18.0-348.el8.x86_64 on an x86_64

localhost login: root
Password:
Last failed login: Tue May  3 09:42:34 EEST 2022 on tty1
There were 3 failed login attempts since the last successful login.
[root@localhost ~]# ip add
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
       valid_lft forever preferred_lft forever
    inet6 ::1/128 scope host
       valid_lft forever preferred_lft forever
2: ens160: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP group default qlen 1000
    link/ether 00:0c:29:b1:7e:64 brd ff:ff:ff:ff:ff:ff
    inet 192.168.228.100/24 brd 192.168.228.255 scope global dynamic noprefixroute ens160
       valid_lft 86363sec preferred_lft 86363sec
    inet6 fe80::20c:29ff:feb1:7e64/64 scope link noprefixroute
       valid_lft forever preferred_lft forever
[root@localhost ~]#
```