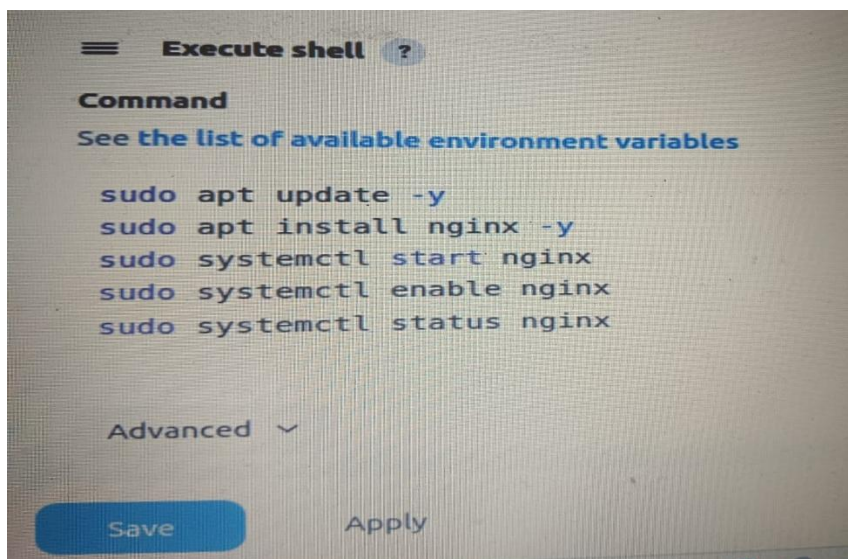# DEVOPS TRAINING

DAY – 1 JENKINS (Installing and setting up Jenkins on a Linux Machine)
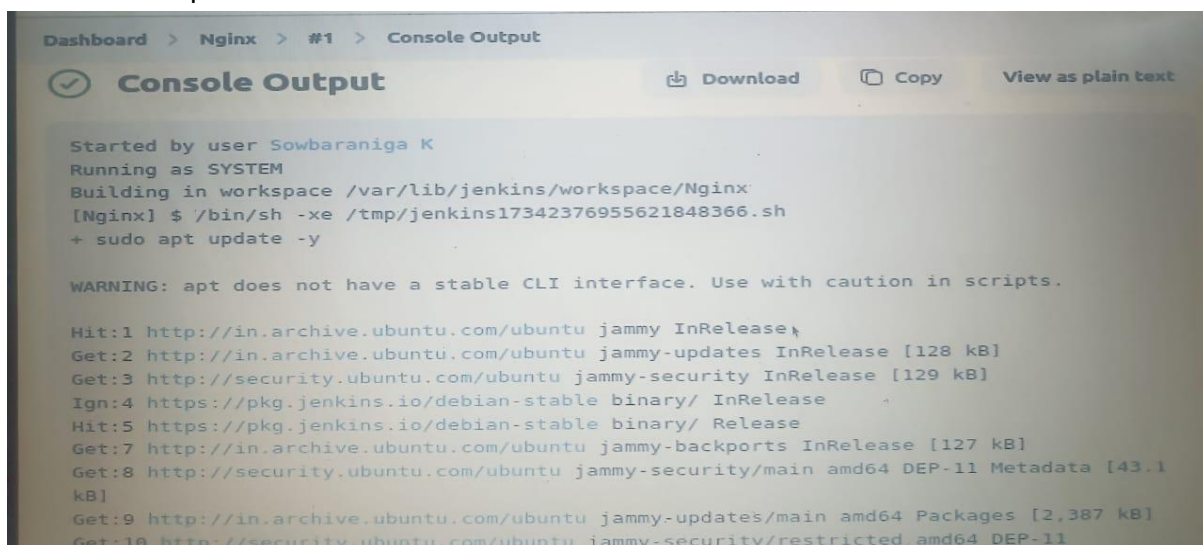
ip addr

```
root@Ubuntu:~# visudo
root@Ubuntu:~# ip addr
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group defau
lt 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: enp0s3: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP g
roup default qlen 1000
    link/ether 08:00:27:d6:98:b2 brd ff:ff:ff:ff:ff:ff
    inet 10.0.2.15/24 brd 10.0.2.255 scope global dynamic noprefixroute enp0s3
       valid_lft 77307sec preferred_lft 77307sec
    inet6 fe80::162f:82f9:fd14:3918/64 scope link noprefixroute
       valid_lft forever preferred_lft forever
root@Ubuntu:~#
```

Execute Shell (Commands)

```
≡  Execute shell  ?

Command
See the list of available environment variables

    sudo apt update -y
    sudo apt install nginx -y
    sudo systemctl start nginx
    sudo systemctl enable nginx
    sudo systemctl status nginx

Advanced  ⌄

  Save          Apply
```

Console Output

```
Dashboard  >  Nginx  >  #1  >  Console Output

✓  Console Output                    ⬇ Download    📋 Copy    View as plain text


Started by user Sowbaraniga K
Running as SYSTEM
Building in workspace /var/lib/jenkins/workspace/Nginx
[Nginx] $ /bin/sh -xe /tmp/jenkins17342376955621848366.sh
+ sudo apt update -y

WARNING: apt does not have a stable CLI interface. Use with caution in scripts.

Hit:1 http://in.archive.ubuntu.com/ubuntu jammy InRelease
Get:2 http://in.archive.ubuntu.com/ubuntu jammy-updates InRelease [128 kB]
Get:3 http://security.ubuntu.com/ubuntu jammy-security InRelease [129 kB]
Ign:4 https://pkg.jenkins.io/debian-stable binary/ InRelease
Hit:5 https://pkg.jenkins.io/debian-stable binary/ Release
Get:7 http://in.archive.ubuntu.com/ubuntu jammy-backports InRelease [127 kB]
Get:8 http://security.ubuntu.com/ubuntu jammy-security/main amd64 DEP-11 Metadata [43.1
kB]
Get:9 http://in.archive.ubuntu.com/ubuntu jammy-updates/main amd64 Packages [2,387 kB]
Get:10 http://security.ubuntu.com/ubuntu jammy-security/restricted amd64 DEP-11
```

```
nginx.service - A high performance web server and a reverse proxy server
Loaded: loaded (/lib/systemd/system/nginx.service; enabled; vendor
preset: enabled)
   Active: active (running) since Mon 2025-03-17 22:16:35 IST; 2min 45s ago
     Docs: man:nginx(8)
 Main PID: 10213 (nginx)
    Tasks: 2 (limit: 3503)
   CGroup: /system.slice/nginx.service
           ├─10213 nginx: master process /usr/sbin/nginx -g daemon on;
master_process on;
           └─10214 nginx: worker process

Mar 17 22:16:34 Ubuntu systemd[1]: Starting A high performance web server
and a reverse proxy server...
Mar 17 22:16:35 Ubuntu systemd[1]: nginx.service: Failed to parse PID from
file /run/nginx.pid: Invalid argument
Mar 17 22:16:35 Ubuntu systemd[1]: Started A high performance web server and
a reverse proxy server.
Finished: SUCCESS
```

Welcome Page