Task 1

Create a simple Freestyle Job to install Nginx on your server using Jenkins and Ubuntu VM

1. Removing Nginx from the Ubuntu terminal

```
root@Toxin:~# sudo systemctl stop nginx
root@Toxin:~# sudo apt remove nginx -y
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following packages will be REMOVED:
  nginx nginx-common
0 upgraded, 0 newly installed, 2 to remove and 0 not upgraded.
After this operation, 1596 kB disk space will be freed.
(Reading database ... 43359 files and directories currently installed.)
Removing nginx-common (1.24.0-2ubuntu7.1) ...
Removing nginx (1.24.0-2ubuntu7.1) ...
Processing triggers for man-db (2.12.0-4build2) ...
root@Toxin:~# sudo apt autoremove -y
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
0 upgraded, 0 newly installed, 0 to remove and 0 not upgraded.
root@Toxin:~# sudo rm -rf /var/www/html
```

2. Now Open Jenkins and create a new task and Go to configuration and Execute shell command to install and start Nginx.

≡ **Execute shell** ?   ✕

Command
See the list of available environment variables

```
sudo apt update -y && sudo apt upgrade -y
sudo apt install -y nginx
sudo systemctl start nginx
sudo systemctl enable nginx
sudo cp /root/index.html /var/www/html/index.nginx-debian.html
sudo systemctl restart nginx
```

Advanced ⌄

3. Installing packages of Nginx and Run the .html file in the Respective Folder.


```
Started by user Balachandran
Running as SYSTEM
Building in workspace /var/lib/jenkins/workspace/task1
[task1] $ /bin/sh -xe /tmp/jenkins10370879453449660551.sh
+ sudo apt update -y

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

Hit:1 http://archive.ubuntu.com/ubuntu noble InRelease
Ign:2 https://pkg.jenkins.io/debian-stable binary/ InRelease
Hit:3 http://archive.ubuntu.com/ubuntu noble-updates InRelease
Hit:4 http://security.ubuntu.com/ubuntu noble-security InRelease
Hit:5 http://archive.ubuntu.com/ubuntu noble-backports InRelease
Hit:6 https://pkg.jenkins.io/debian-stable binary/ Release
Reading package lists...
Building dependency tree...
Reading state information...
All packages are up to date.
+ sudo apt upgrade -y

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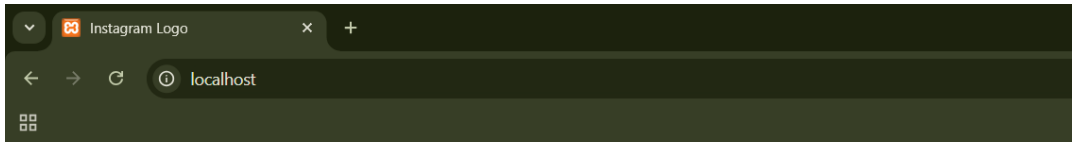
```
WARNING: apt does not have a stable CLI interface. Use with caution in scripts.

Reading package lists...
Building dependency tree...
Reading state information...
Calculating upgrade...
0 upgraded, 0 newly installed, 0 to remove and 0 not upgraded.
+ sudo apt install -y nginx

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

Reading package lists...
Building dependency tree...
Reading state information...
nginx is already the newest version (1.24.0-2ubuntu7.1).
0 upgraded, 0 newly installed, 0 to remove and 0 not upgraded.
+ sudo systemctl start nginx
+ sudo systemctl enable nginx
Synchronizing state of nginx.service with SysV service script with /usr/lib/systemd/systemd-sysv-install.
Executing: /usr/lib/systemd/systemd-sysv-install enable nginx
+ sudo cp /root/index.html /var/www/html/index.nginx-debian.html
+ sudo systemctl restart nginx
Finished: SUCCESS
```

And Successfully Finished Installing and It would be run in the

https://localhost:80

4. Final output of the index.html in localhost : 80

Follow Us on Instagram