TASK 1

Create a simple FreeStyle Job To Install Nginx on your server (tools:jenkins, ubuntu vm).
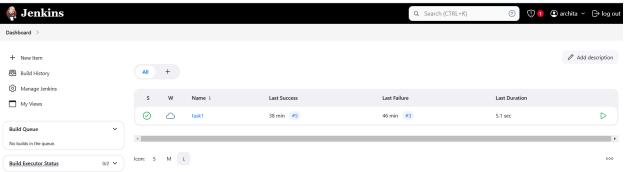
Sudo visudo

sudo visudo safely edits the sudoers file to manage user sudo privileges.

```
archita@DESKTOP-U3693UJ:~$ sudo su
[sudo] password for archita:
```

```
root@DESKTOP-U3693UJ:/home/archita# sudo visudo
root@DESKTOP-U3693UJ:/home/archita# touch index.html
root@DESKTOP-U3693UJ:/home/archita# nano index.html
root@DESKTOP-U3693UJ:/home/archita# pwd
/home/archita
root@DESKTOP-U3693UJ:/home/archita# |
```

1. Update fetches the latest package lists, and upgrade installs the latest versions of packages.

2. Ensures Nginx is installed if not already present.

3. Starts the Nginx service and enables it to run at boot.

4. Restores the default Nginx page for serving.

5. Restarts Nginx to apply changes.

```bash
#!/bin/bash

# Update & Upgrade the system
sudo apt update -y && sudo apt upgrade -y

# Install Nginx if not installed
sudo apt install -y nginx

# Start & Enable Nginx service
sudo systemctl start nginx
sudo systemctl enable nginx

# Restore the default Nginx page
sudo cp /home/archita/index.html /var/www/html/index.nginx-debian.html

# Restart Nginx to apply changes
sudo systemctl restart nginx
```


Jenkins

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S	W	Name ↓	Last Success	Last Failure	Last Duration
✓	☁	task1	38 min #5	46 min #3	5.1 sec	▷

Build Queue ⌄
No builds in the queue.

Build Executor Status 0/2 ⌄

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NGINX

✓ **task1**

Permalinks

- Last build (#5), 8 min 31 sec ago
- Last stable build (#5), 8 min 31 sec ago
- Last successful build (#5), 8 min 31 sec ago
- Last failed build (#3), 15 min ago
- Last unsuccessful build (#3), 15 min ago
- Last completed build (#5), 8 min 31 sec ago