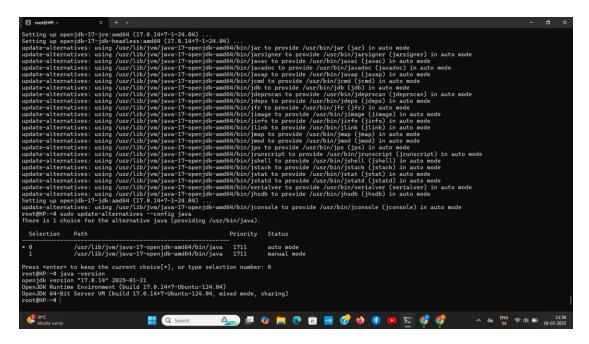
JENKINS AND NGNIX

STEP 1: Install Ubuntu and use the Ubuntu OS **STEP2 :** Open the terminal in the Ubuntu

STEP 3: Make sure your Ubuntu has java . If not install java using

sudo apt install openjdk-17-jdk -y

Once you install java, check the version like this below image



STEP 4: Now install jenkins , create a **nano filename.sh** file and add the following commands

sudo wget -O /usr/share/keyrings/jenkins-keyring.asc \ https://pkg.jenkins.io/debian-stable/jenkins.io-2023.key

sudo apt-get update

sudo apt-get install jenkins

```
Mar 17 20:37

swetha@swetha-VMware-Virtual-Platform: ~ Q ≡ - □ ×

GNU nano 7.2

sudo wget -0 /usr/share/keyrings/jenkins-keyring.asc \
https://pkg.jenkins.io/debian-stable/jenkins.io-2023.key

echo "deb [signed-by=/usr/share/keyrings/jenkins-keyring.asc]" \
https://pkg.jenkins.io/debian-stable binary/ | sudo tee \
/etc/apt/sources.list.d/jenkins.list > /dev/null
sudo apt-get update
sudo apt-get install jenkins
```

STEP 5: Run the file using bash filename.sh

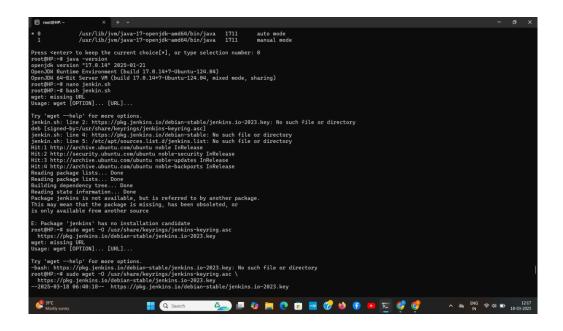
You will get the following terminal window like below

```
Toolenge - 0 /usr/share/keyrings/jenkins-keyring asc https://pkg.jenkins-is-jedebian-stable/jenkins.io-2023.key wget: missing URL Usage: mget [OFTION]... [URL]...

Try 'mget --help' for more options. -bash: https://pkg.jenkins.io/debian-stable/jenkins.io-2023.key: No such file or directory roolenge; get of the property of the proper
```

STEP 6: After step 5, run the follwing commands to run the jenkins

sudo systemctl enable jenkins sudo systemctl start jenkins sudo system status jenkins



STEP 7: Now your jenkins in run , go to localhost:8080 , you should see the administration page .

STEP 8: In the terminal again type the following command,

sudo cat /var/lib/jenkins/secrets/initialAdminPassword

STEP 9: Now you have your password generated , enter this password in the admin page and enter basic details and finish necessary resources installation and you,ll be taken into the jenkins interface .

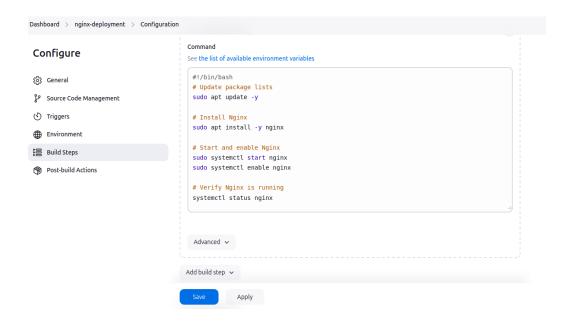
STEP 10: Give your project a name , and in configure in the shell , type in the following commands and save it .

#!/bin/bash
Update package lists
sudo apt update -y

Install Nginx sudo apt install -y nginx

Start and enable Nginx sudo systemctl start nginx sudo systemctl enable nginx

Verify Nginx is running



STEP 11: Go to your terminal and run the following command,

sudo apt-get install nginx sudo systemctl restart nginx

