Commands:

Steps to Install Jenkins: (Jenkins always run on port 8080)

1. Update your system repository using sudo apt-get update
2. Install Open JDK - sudo apt-get install openjdk-8-jdk
3. To know path where it is installed - which java / update-alternatives --config java
4. To set path - echo "JAVA\_HOME=$(which java)" | sudo tee -a /etc/environment
5. Reset the environment variables - source /etc/environment
6. To go as a root user use sudo -i
7. Add the key of the Jenkins - wget -q -O - <https://pkg.jenkins.io/debian-stable/jenkins.io.key> | sudo apt-key add -
8. Then add the following entry in your /etc/apt/sources.list: - deb [https://pkg.jenkins.io/debian-stable binary/](https://pkg.jenkins.io/debian-stable%20binary/)
9. sudo apt-get update
10. sudo apt-get install jenkins
11. To check Status of Jenkins - service jenkins status / systemctl status Jenkins

To check if my application is running or not use - curl localhost:8080

To execute use ip:8080 to open Jenkins

To get administrator pass: sudo cat /var/lib/jenkins/secrets/initialAdminPassword

sudo apt-get remove maven (To Remove)

Steps to Install Maven:

1. sudo apt-get install maven
2. sudo apt policy maven
3. sudo apt-get install default-jdk

### [Java OpenJDK and Apache Maven Installation on Ubuntu](https://linuxize.com/post/how-to-install-apache-maven-on-ubuntu-18-04/#3-setup-environment-variables)

sudo apt install default-jdk

wget https://www-us.apache.org/dist/maven/maven-3/3.6.0/binaries/apache-maven-3.6.0-bin.tar.gz -P /tmp

sudo tar xf /tmp/apache-maven-\*.tar.gz -C /opt

sudo ln -s /opt/apache-maven-3.6.0 /opt/maven

### [Setup environment variables](https://linuxize.com/post/how-to-install-apache-maven-on-ubuntu-18-04/" \l "3-setup-environment-variables)

sudo vim /etc/profile.d/maven.sh

export JAVA\_HOME=/usr/lib/jvm/default-java

export M2\_HOME=/opt/maven

export MAVEN\_HOME=/opt/maven

export PATH=*${*M2\_HOME*}*/bin:*${*PATH*}*

sudo chmod +x /etc/profile.d/maven.sh

Finally load the env variables using the source command -

source /etc/profile.d/maven.sh

Then, verify the installation -

mvn -version

sudo `which mvn` install