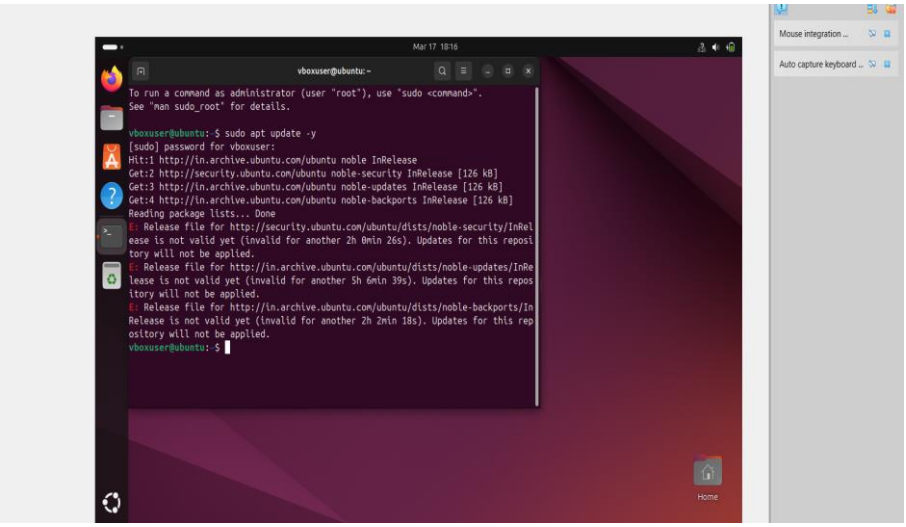
DevOps Training-Day-1

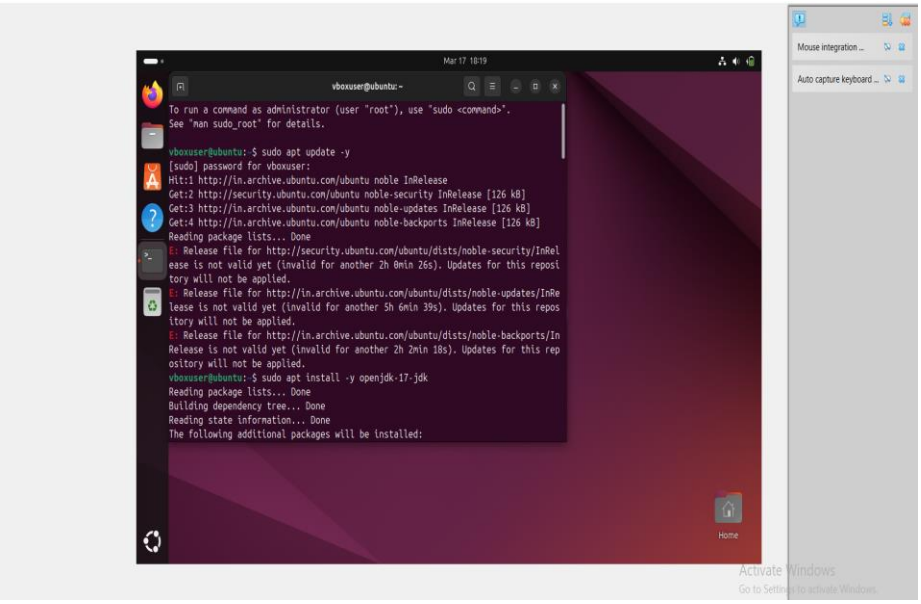
Step-by-step guide to creating a Freestyle Job in Jenkins

to install Nginx on a local Ubuntu VM

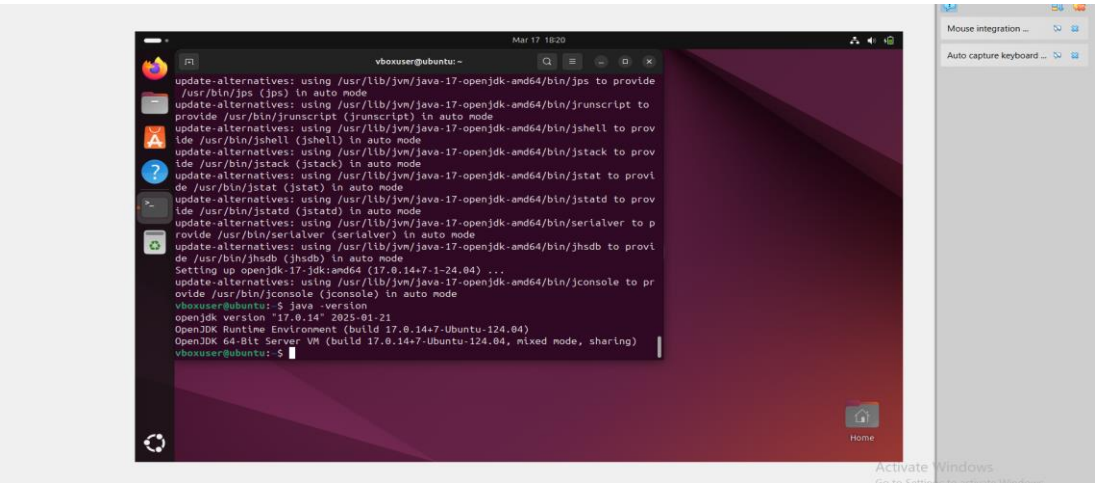
1. Updates the package lists to ensure the latest version of packages.



2. Installs OpenJDK 17, required for running Jenkins.

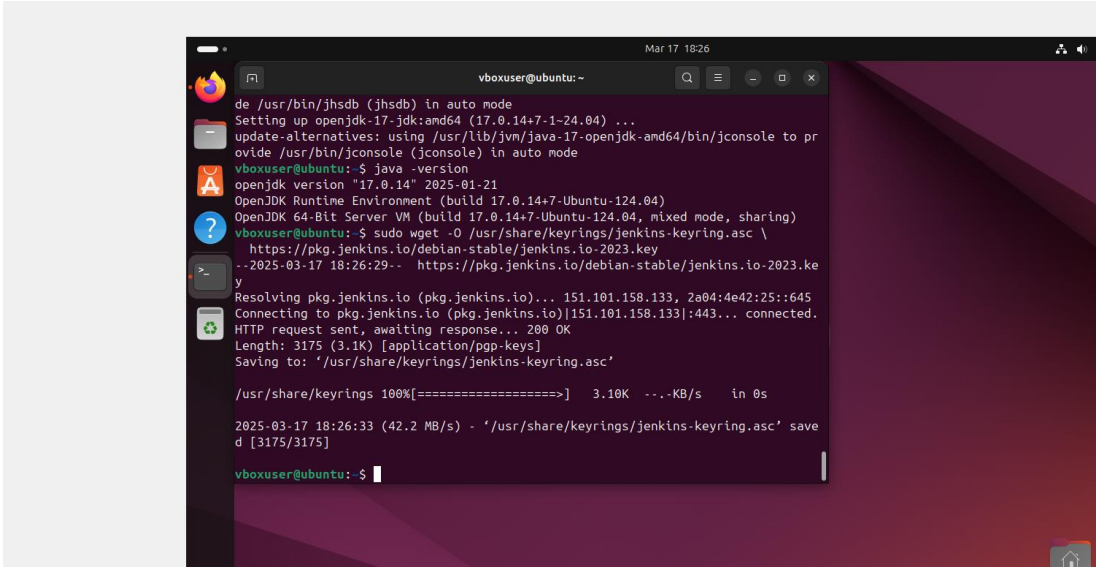


3. Checks the installed Java version.

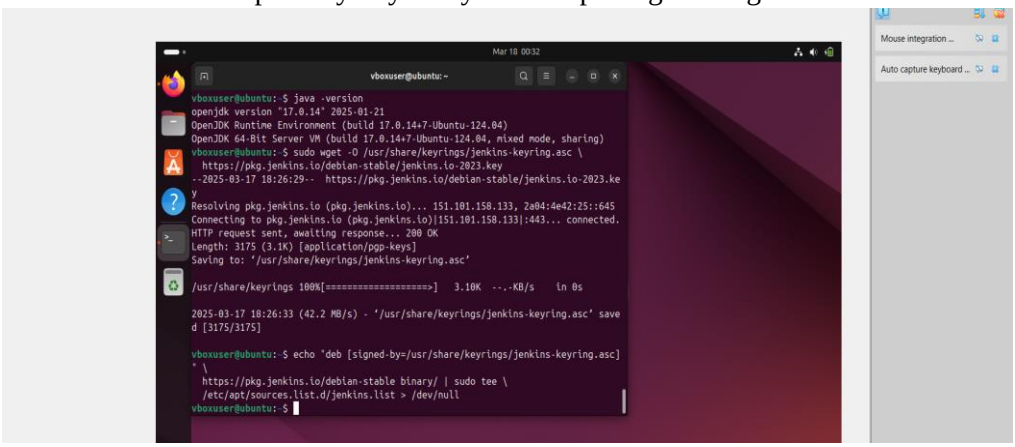


Adding Jenkins Repository:

4. Downloads and stores the Jenkins GPG key securely.

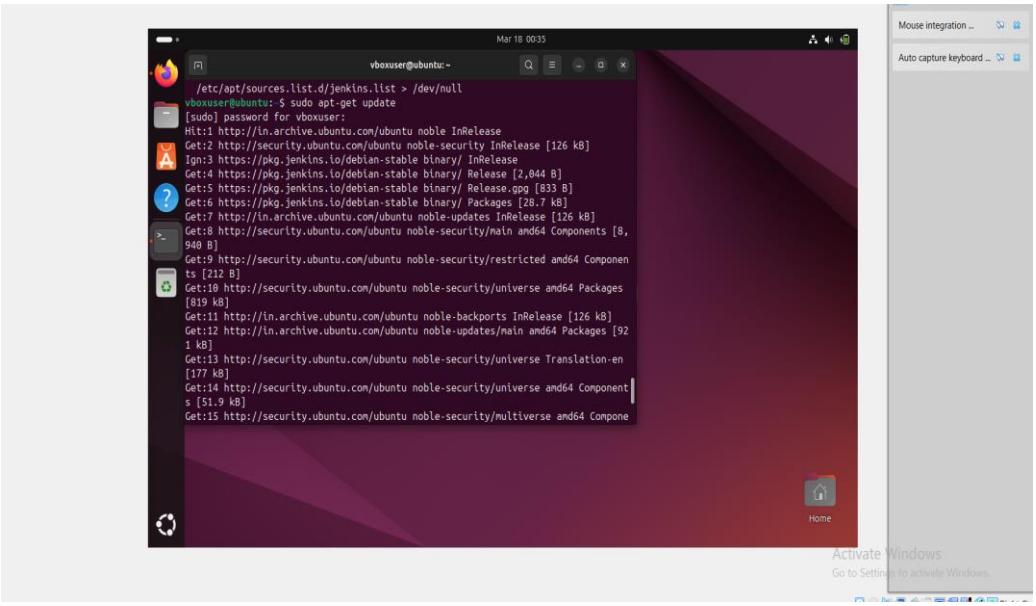


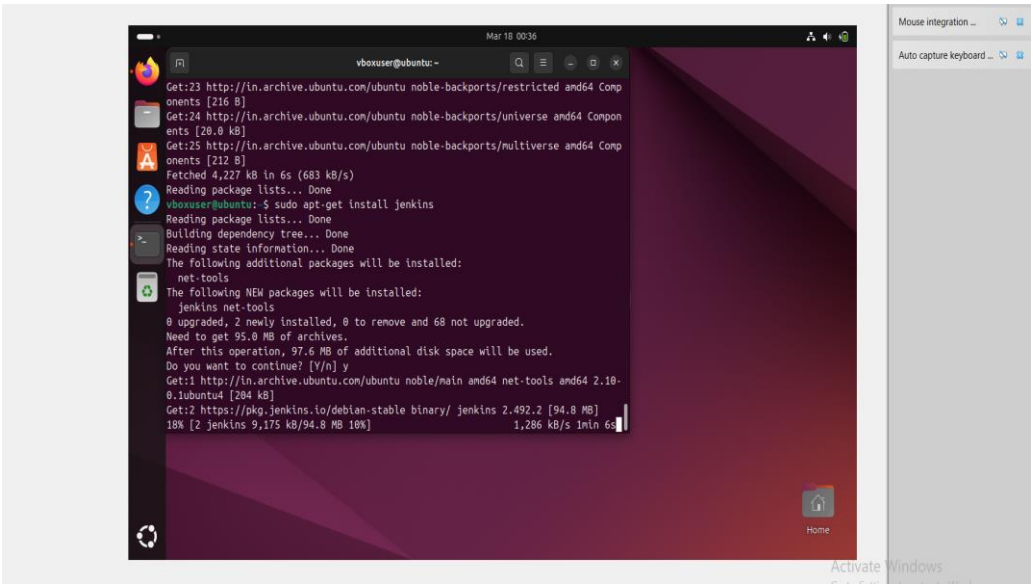
5.Adds the Jenkins repository to your system for package management.



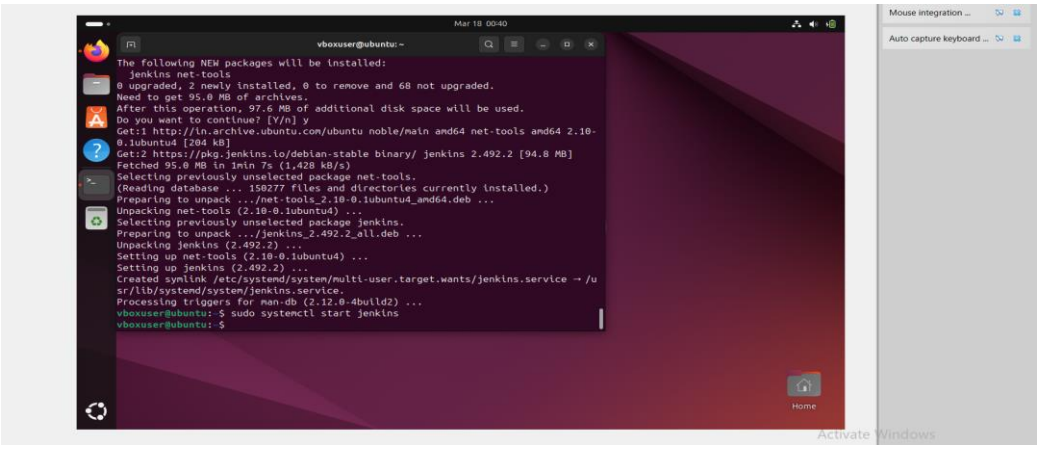
Install Jenkins:

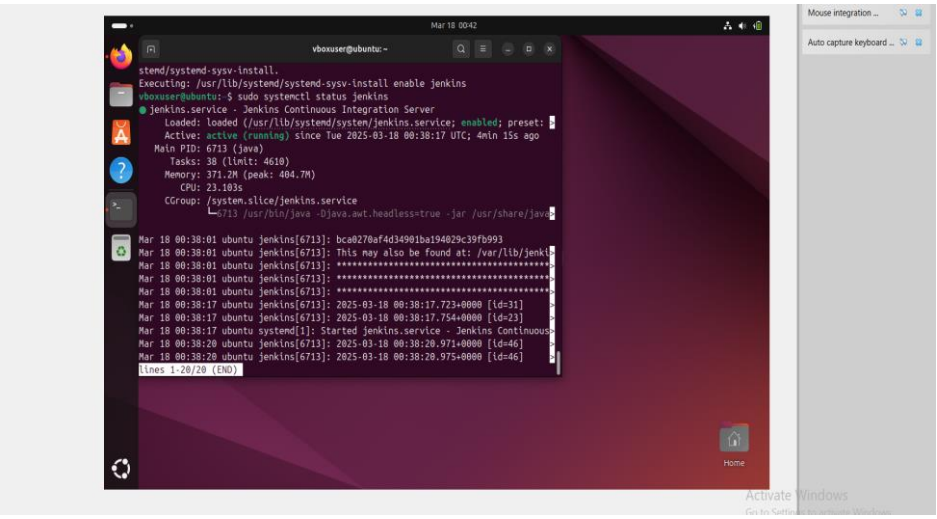
6.Installs Jenkins after updating the package lists.



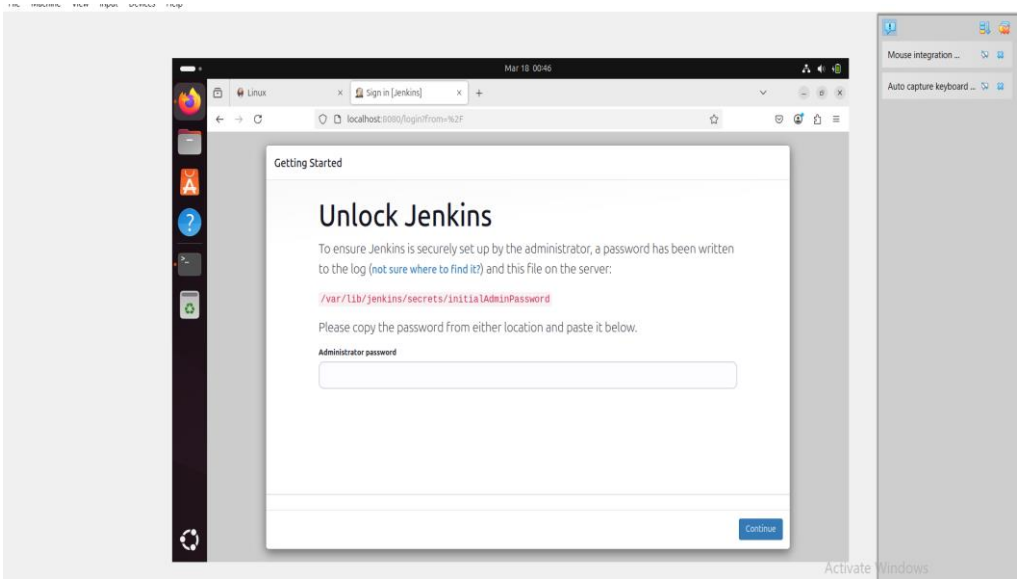


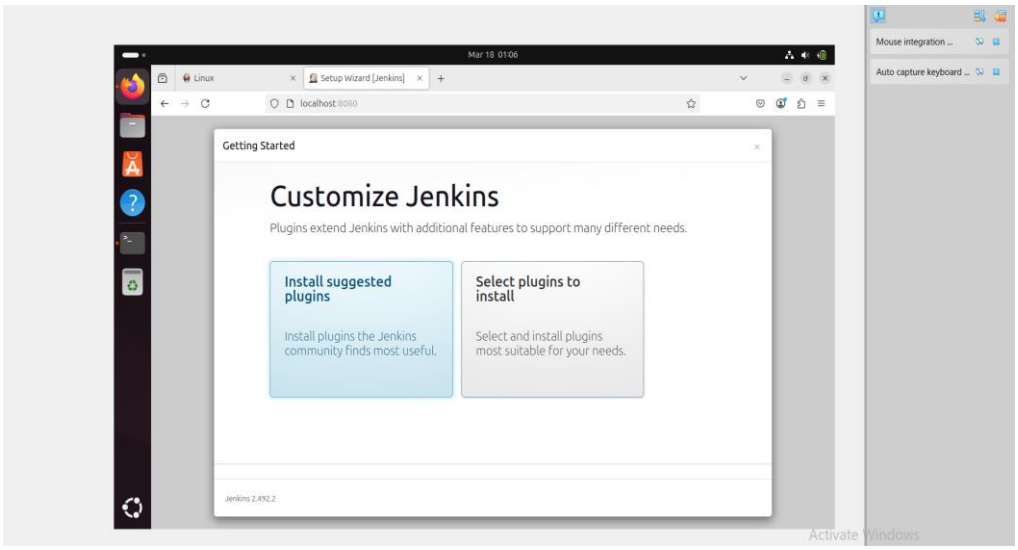
7. Starts the Jenkins service and enables it to start at boot.

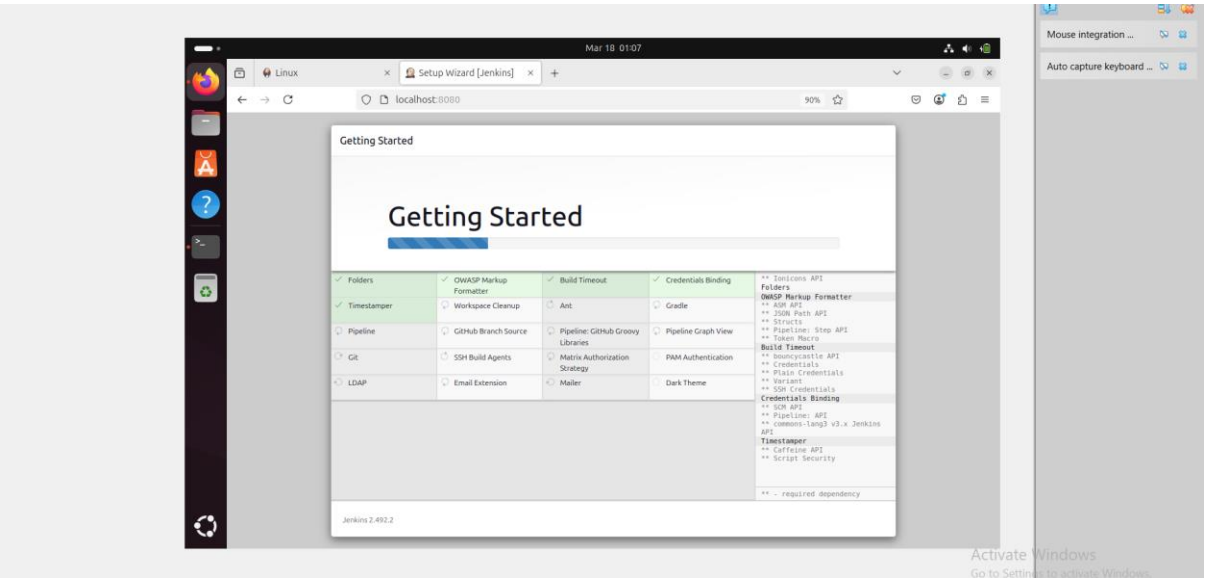


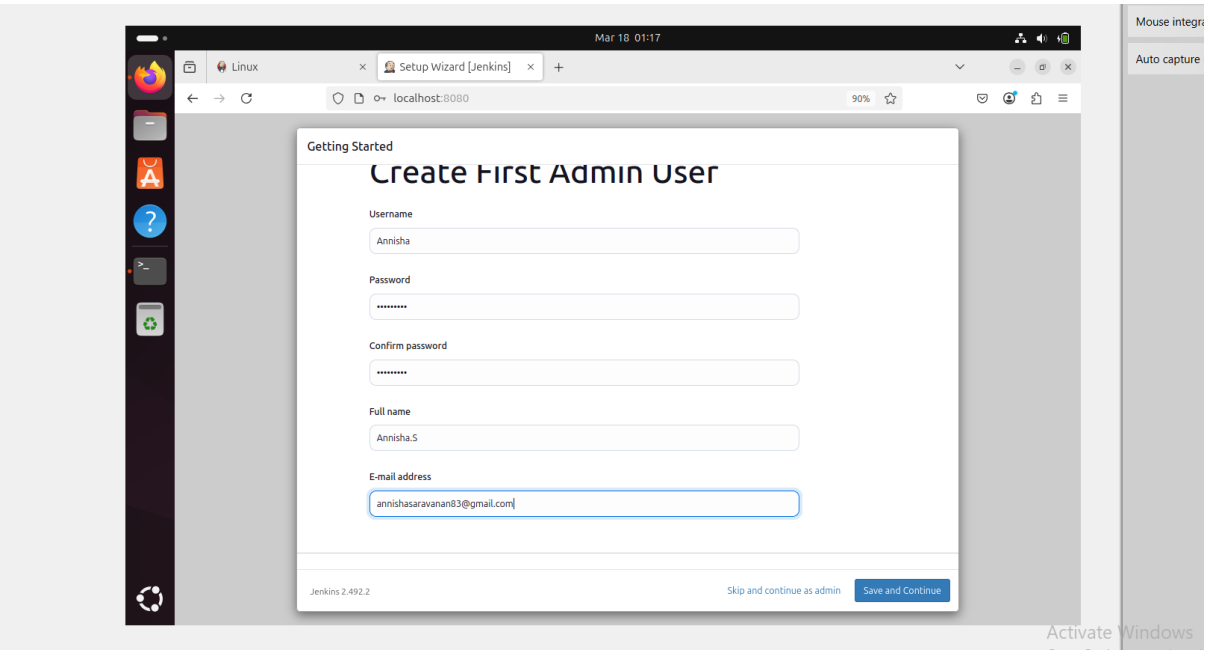


8.Views Jenkins logs to verify if it's fully up and running.



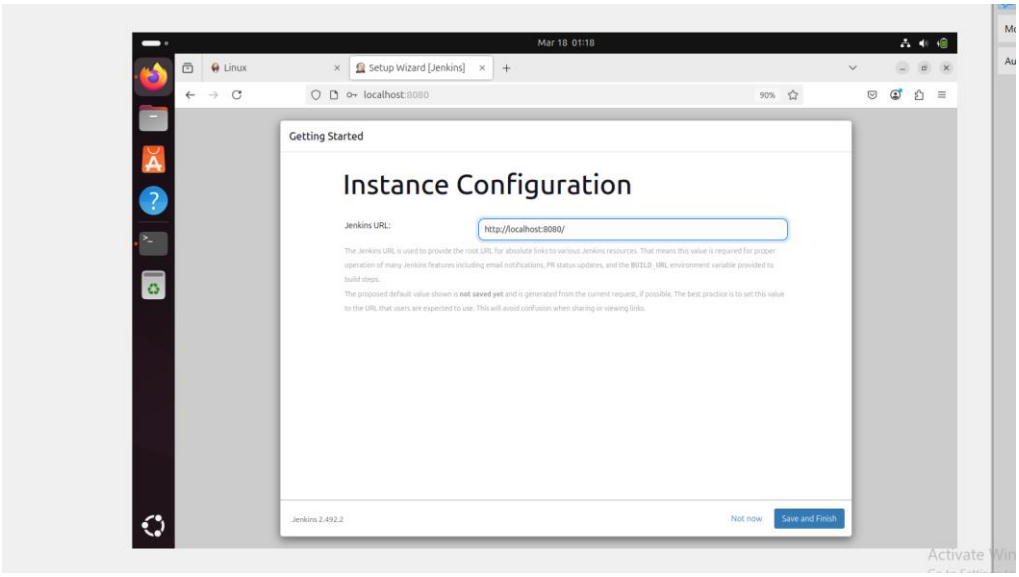


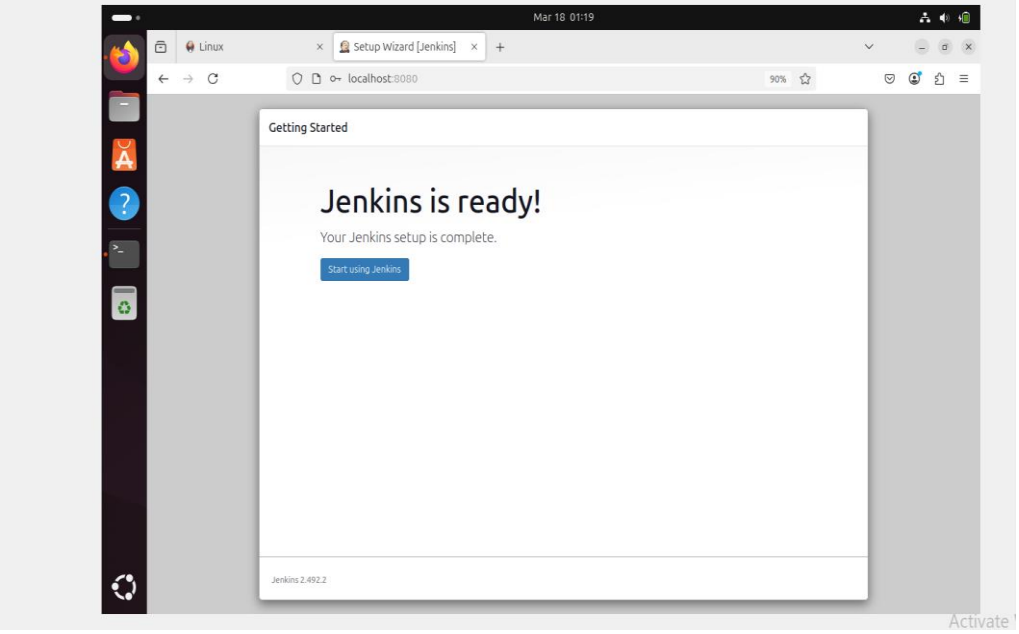


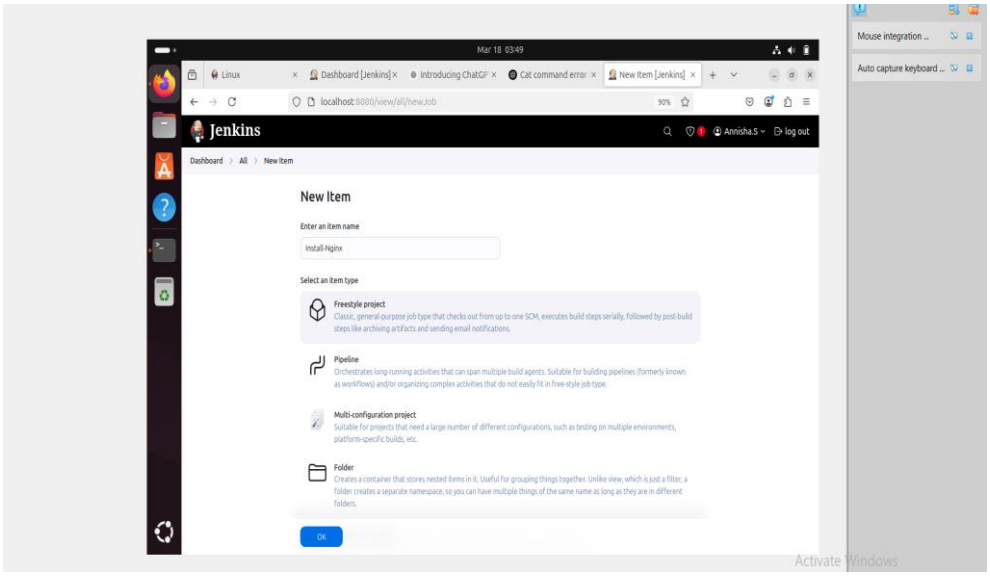


9. **Create a New Freestyle Job:**Navigate to Jenkins Dashboard → New Item → Enter Job Name → Select "Freestyle Project".

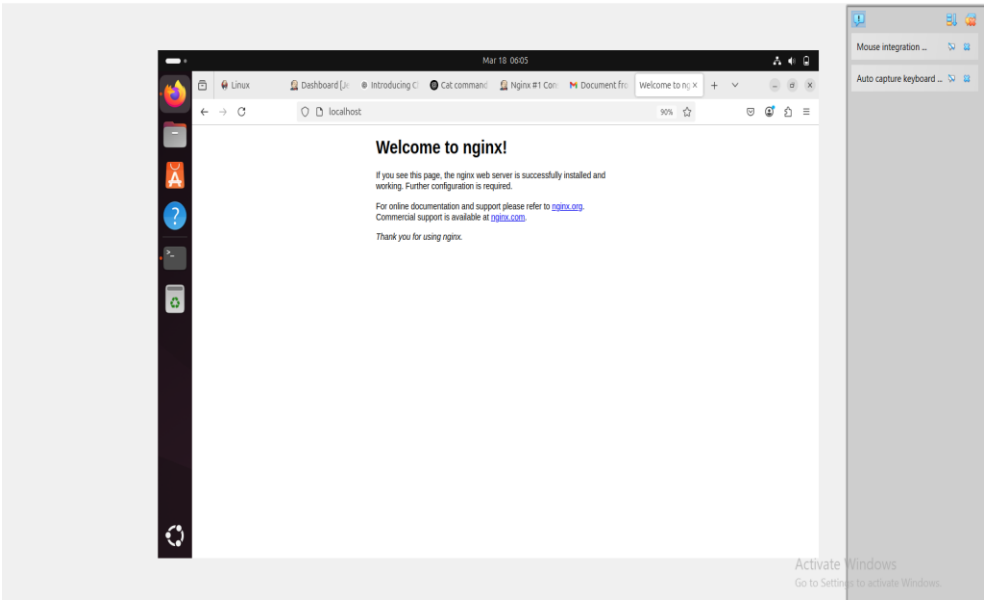
10. Configure Build Step - Execute Shell: Add a build step using the following script:


Mar 18 01:18
Linux
Setup Wizard [Jenkins]
localhost:8080
90%
Getting Started
Instance Configuration
Jenkins URL:
http://localhost:8080/
Jenkins 2.492.2
Not now
Save and Finish


Mar 18 01:19
Linux
Setup Wizard [Jenkins]
localhost:8080
90%
Getting Started
Jenkins is ready!
Your Jenkins setup is complete.
Start using Jenkins
Jenkins 2.492.2



11.Check if the firewall is blocking port 80.



Conclusion :

The process involved setting up Jenkins, configuring a build step to run shell commands, and verifying the successful installation of Nginx.