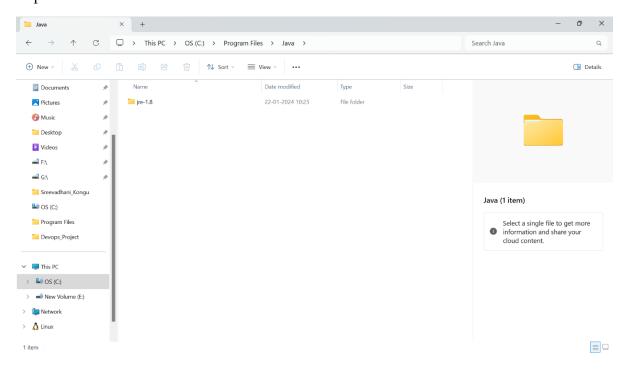
TASK 5

Step 1: Install Java 17 and save it under **Program Files.** If already installed move on to next step.



Step 2: Install Maven from its official website

```
According to PowerShell for new features and improvements! https://aka.ms/PSkindows

PS C:\MINDOKS\system322 ws1
esicome to Ubuntu 22.04.1 LTS (GNI/Linux 5.15.153.1-microsoft-standard-WSL2 x86_64)

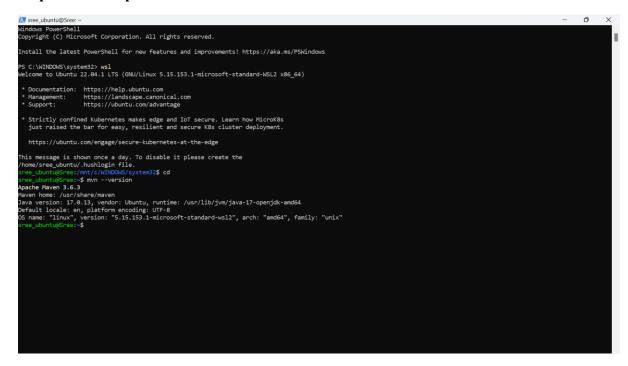
* Documentation: https://halp.ubuntu.com
* Yaragement: https://labrutu.com/advantage

* Strictly confined Kubernetes makes adge and IoT secure, Learn how MicroK8s
just raised the bar for easy, resilient and secure K8s cluster deployment.

https://ubuntu.com/engage/secure-kubernetes-at-the-edge

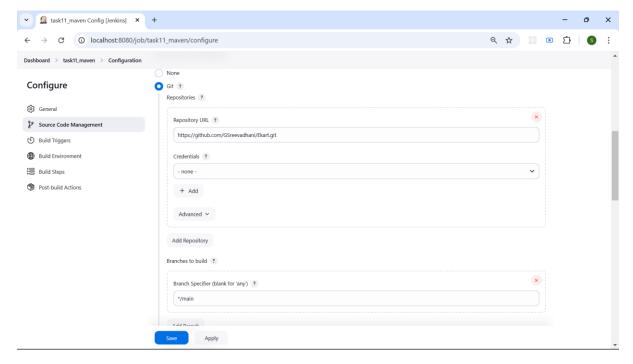
This message is shown once a day. To disable it please create the
//boow/sree_ubuntubleres:/smr/c/MIODOKS/system325 cd
sree_ubuntubleres:/smr/c/MIODOKS/system325 cd
sree_ub
```

Step 3: Install Apache Tomcat 9 from its official website.



Step 4: Fork the Github repo named Ekart and create a new freestyle job in Jenkins.

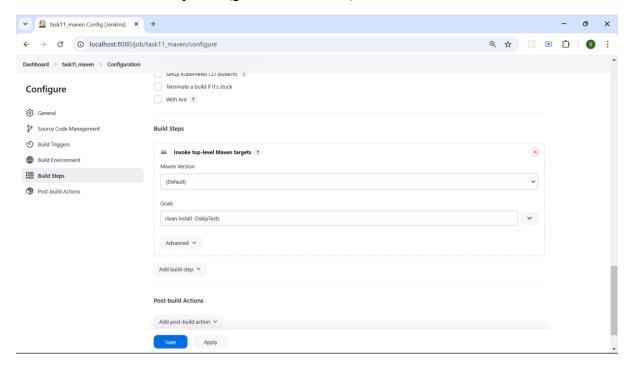
In **source code management**, give github repo URL and change the buils specifier according to the branch you want to build(here, */main)



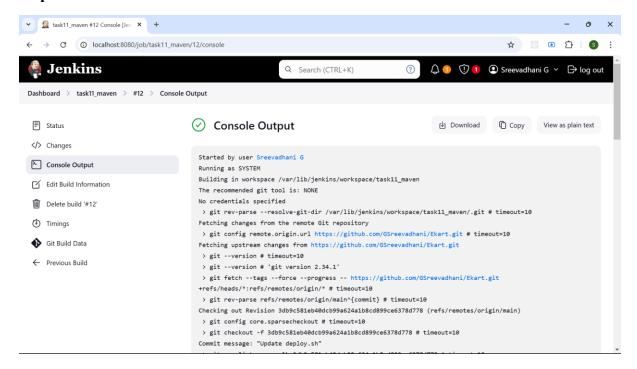
Step 5: Go to Build Steps and click on Invoke top-level Maven targets.

In Invoke top-level Maven Targets,

Goals: clean install -DskipTests (generates .war file)



Step 6: Click on Save and Build Now



Step 7: Use **docker build -t maven-img -f docker/Dockerfile** to build a docker image from Dockerfile of name **maven-img.**

```
Description of the control of the co
```

Step 8: Start the minikube.

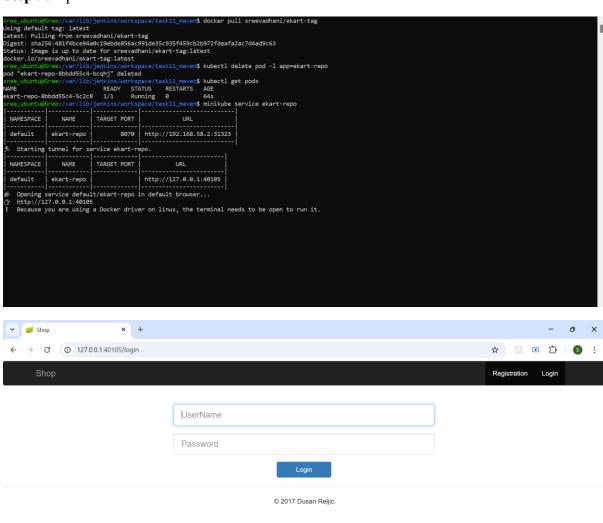
Use **kubectl create deployment <deployment_name> --image=<img_name> --port 8070** to deploy the deocker hub image in pod.

And **kubectl expose deployment <deployment_name> --type=NodePort -port=8070** to expose pod to slave node.

```
minikube v1.35.0 on ubuntu 22.04 (amd64)

iminikube v1.35.0 on ubunt
```

Step 9: Open the service.



BY ENTERING THE BUILD AND DEPLOYMENT COMMANDS IN THE EXECUTE SHELL OF JENKINS:

