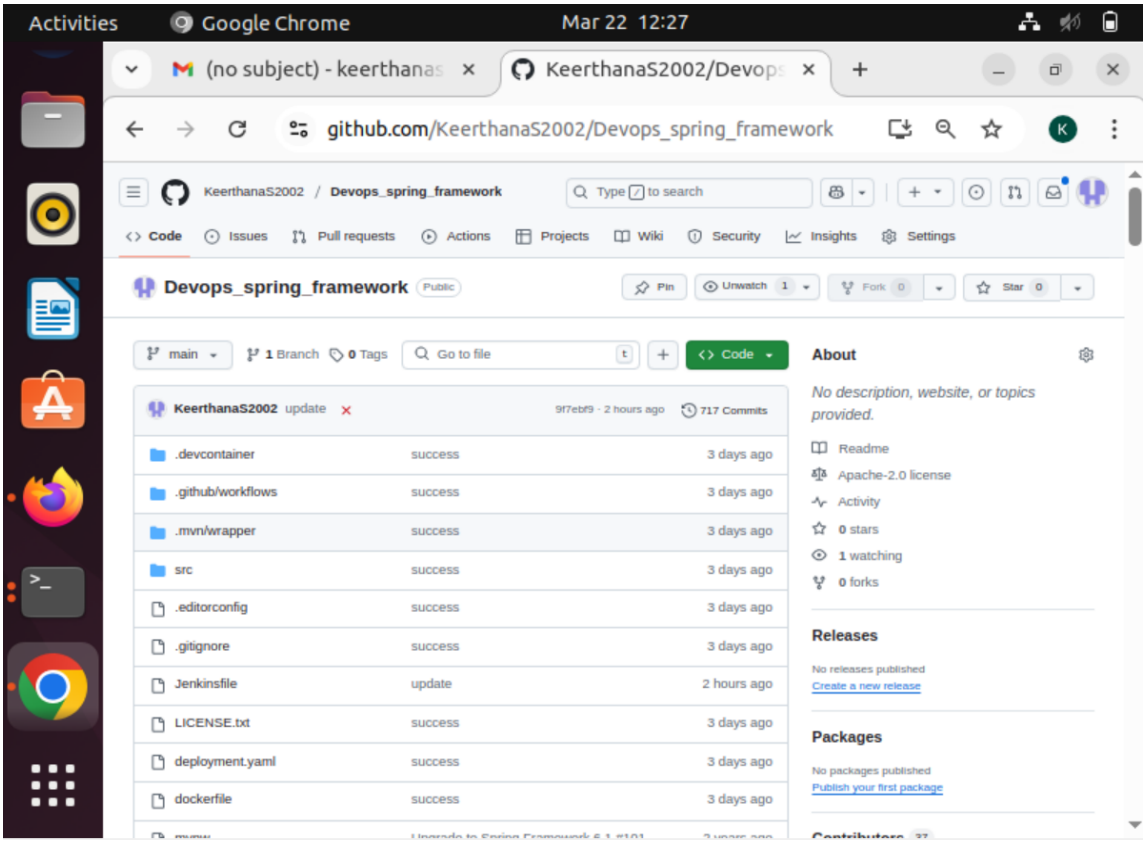
DEVOPS TASK 5

Step 1: Clone the repository in ubuntu using the url : https://github.com/Jervinjeno/spring-framework.git using the following commands:

- **git –version**
- **git clone https://github.com/Jervinjeno/spring-framework.git**
- **sudo chown -R $USER:$USER spring-framework**
- **sudo chmod -R 755 spring-framework**

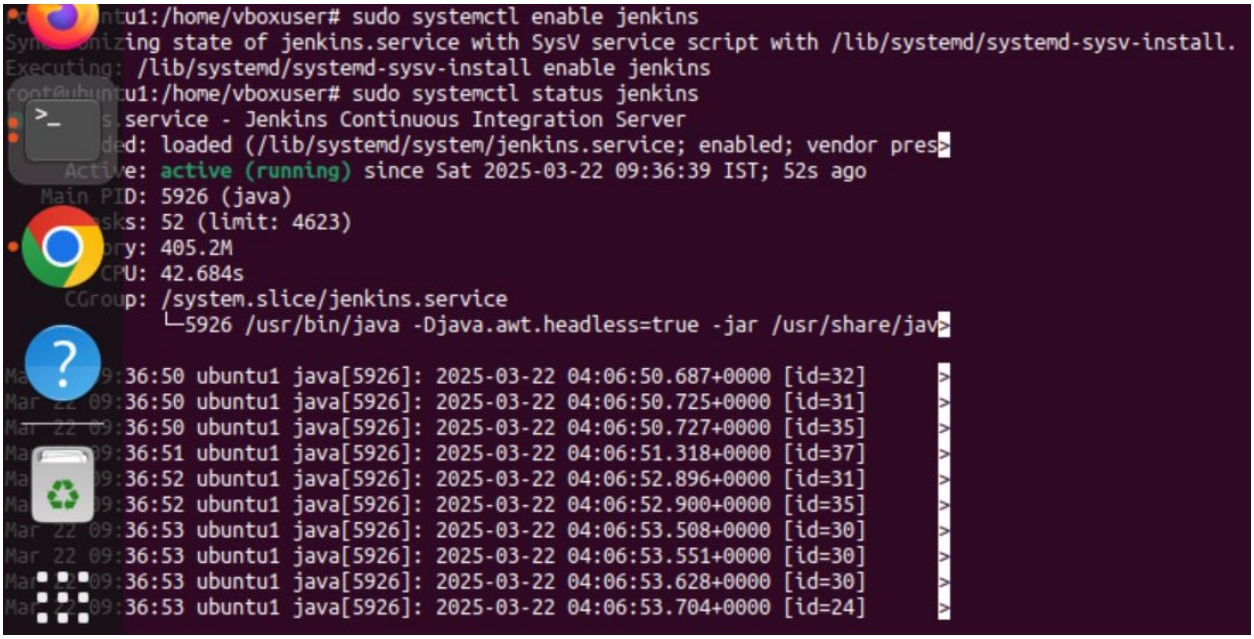
Step 2: Create a new public repository named as Devops_spring_framework and push this cloned repository into our newly created repository using the below commands:

- **cd spring-framework**
- **git remote set-url origin** https://github.com/KeerthanaS2002/Devops_spring_framework.git
- **git push -u origin main**

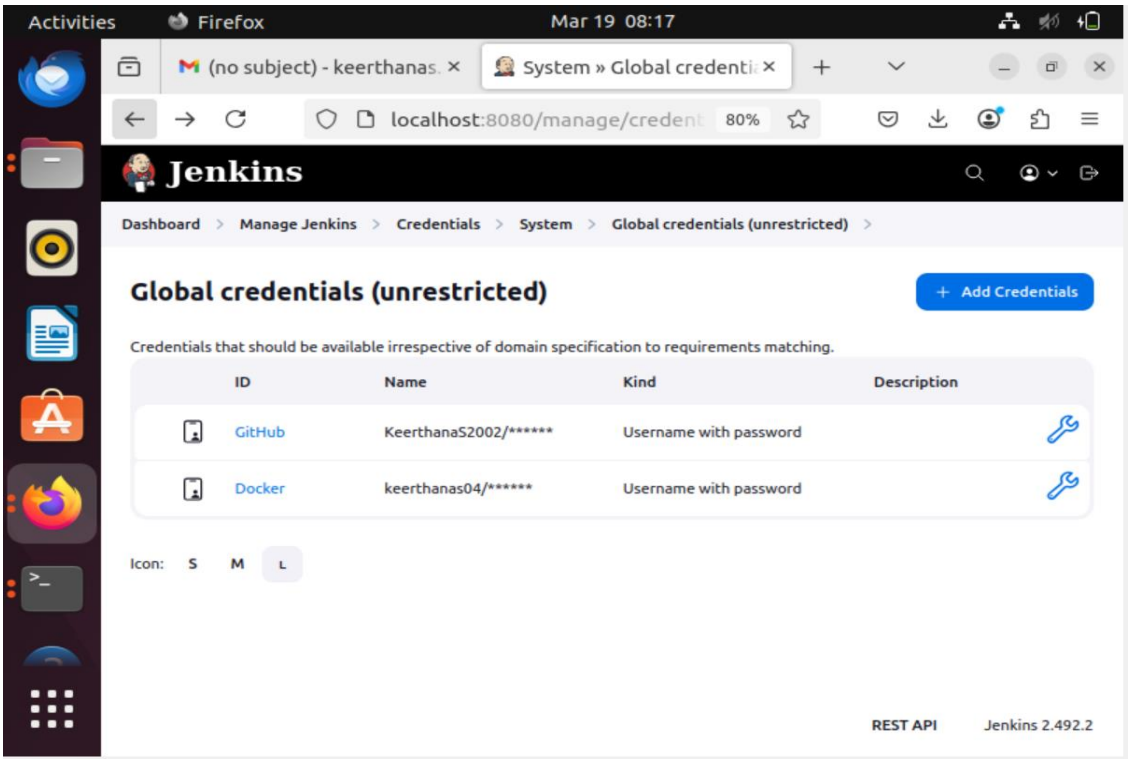


Step 3: In a new ubuntu terminal , start jenkins using the following 3 commands:

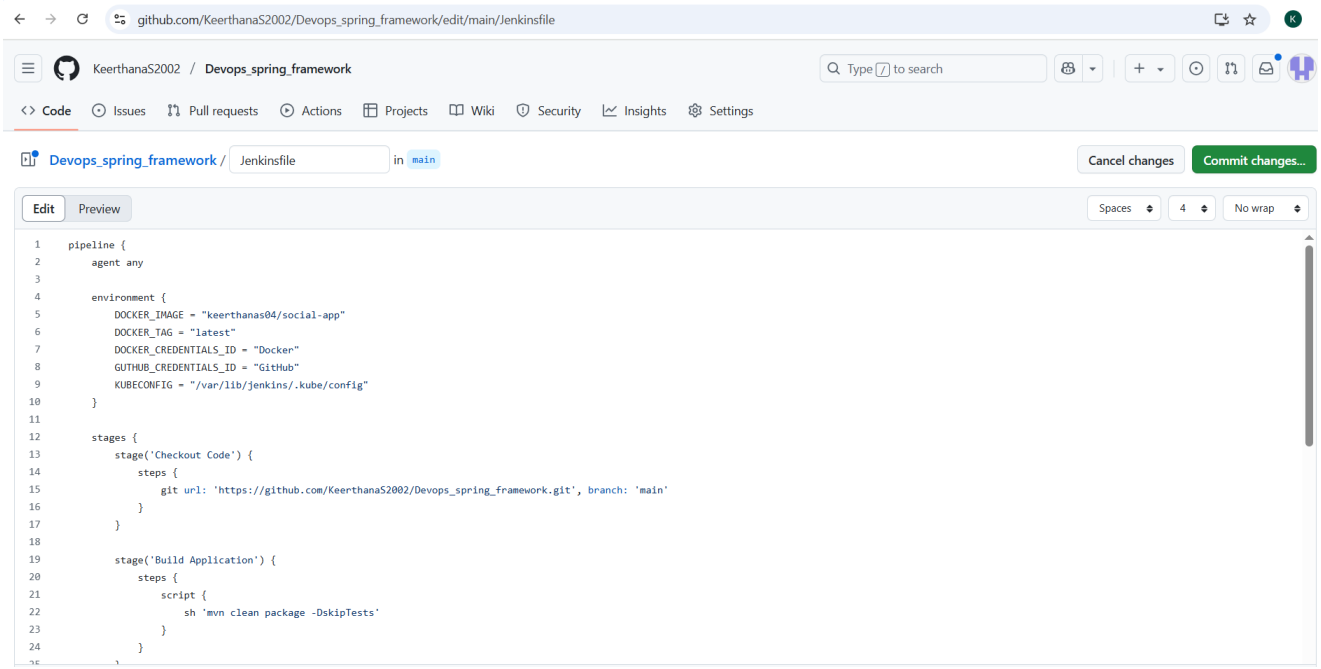
- **sudo systemctl enable jenkins**
- **sudo systemctl start jenkins**
- **sudo systemctl status jenkins**



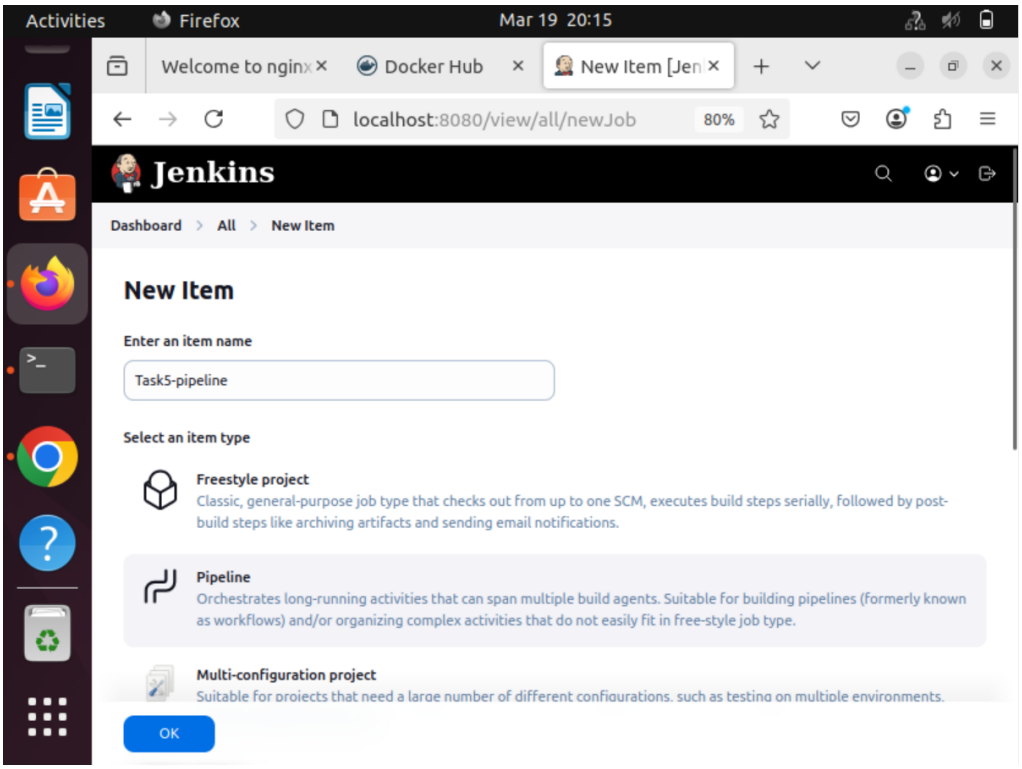
Step 4: In chrome type **localhost:8080** and enter. Then give the username and password to login into jenkins.
Step 5: Go to Manage Jenkins and choose **Credentials** from Security.
Step 6: Add new credentials for GitHub & Docker.



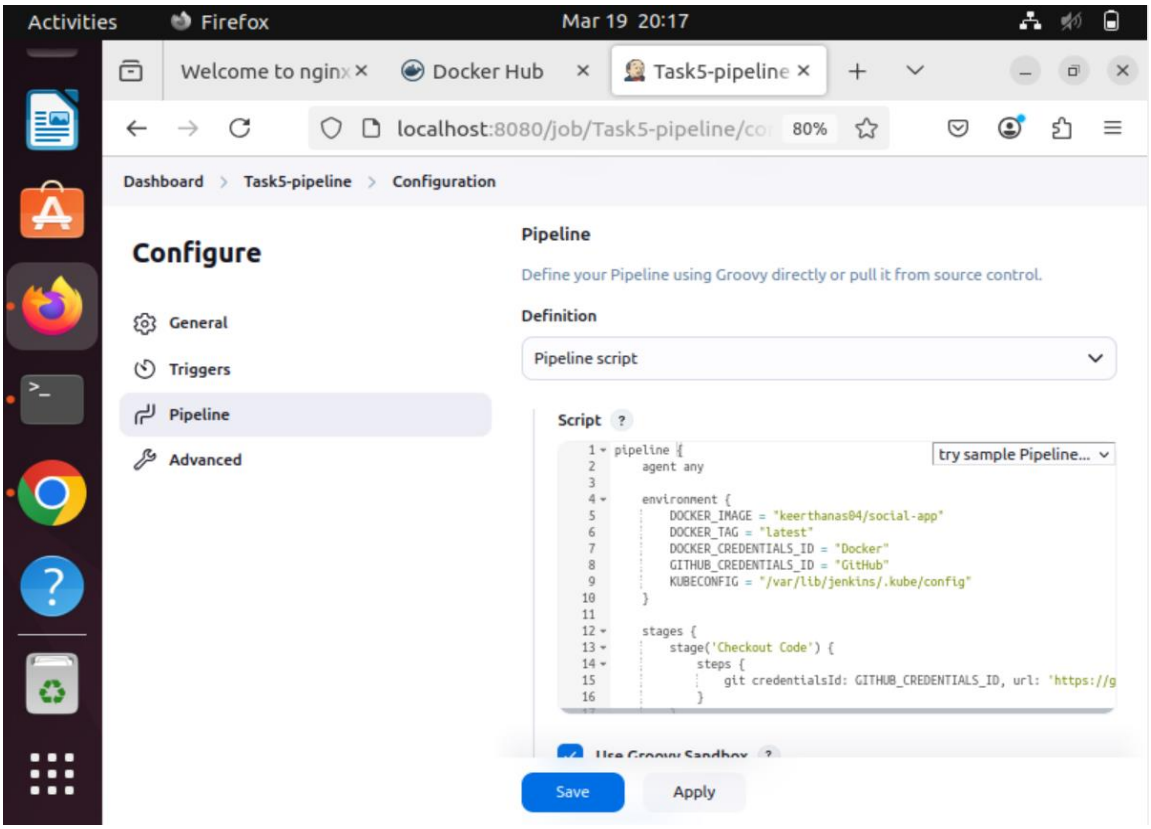
Step 7: Modify the Jenkinsfile with your own credentials.



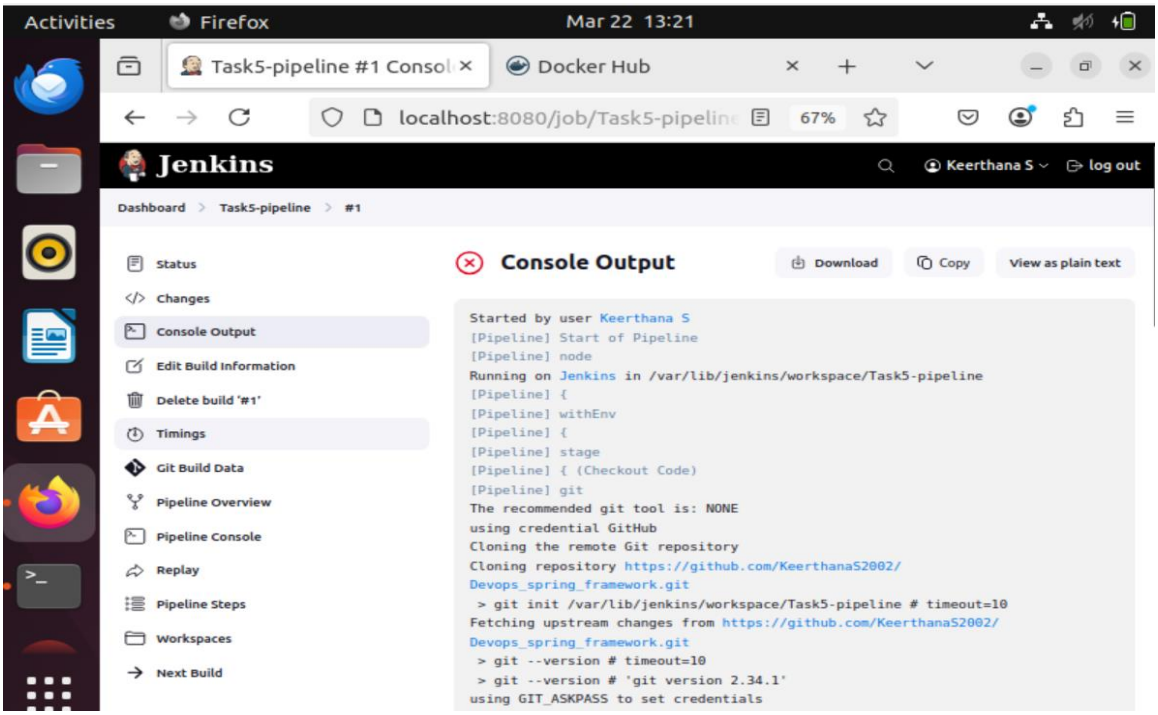
Step 8: Create a new item named Task5-pipeline, select pipeline and click ok.



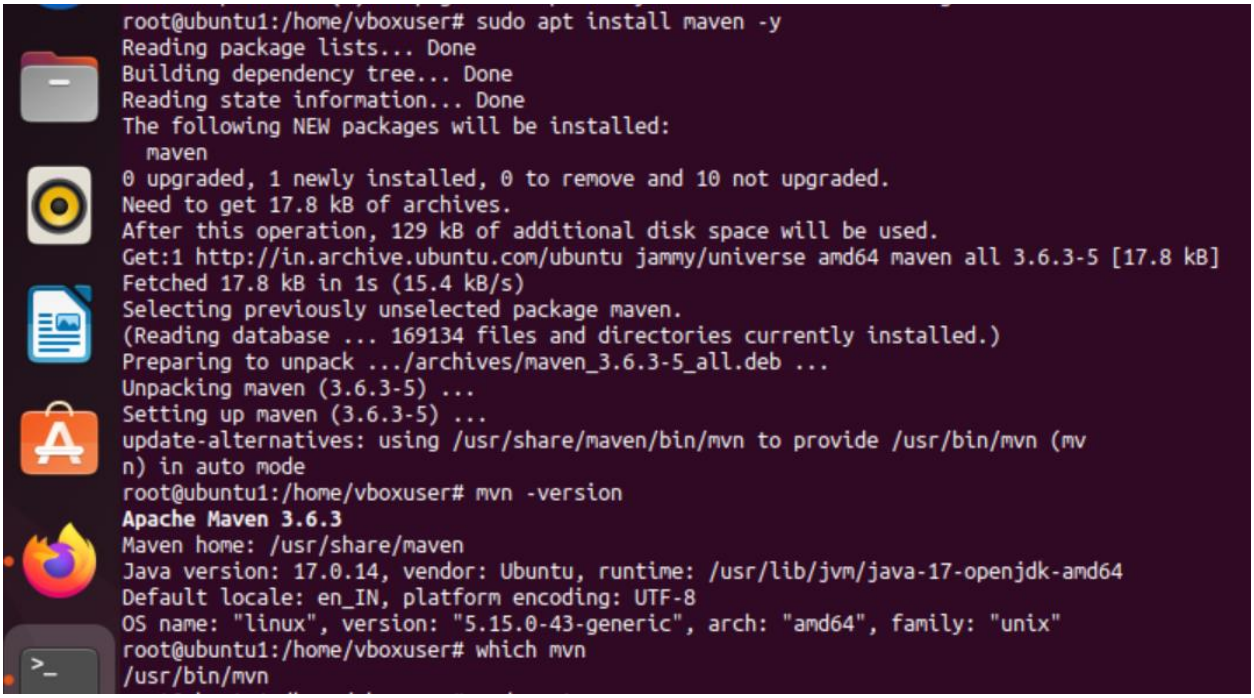
Step 9: Go to **Configure** inTask5-pipeline item, and paste the edited jenkins file in the script with proper indentation.

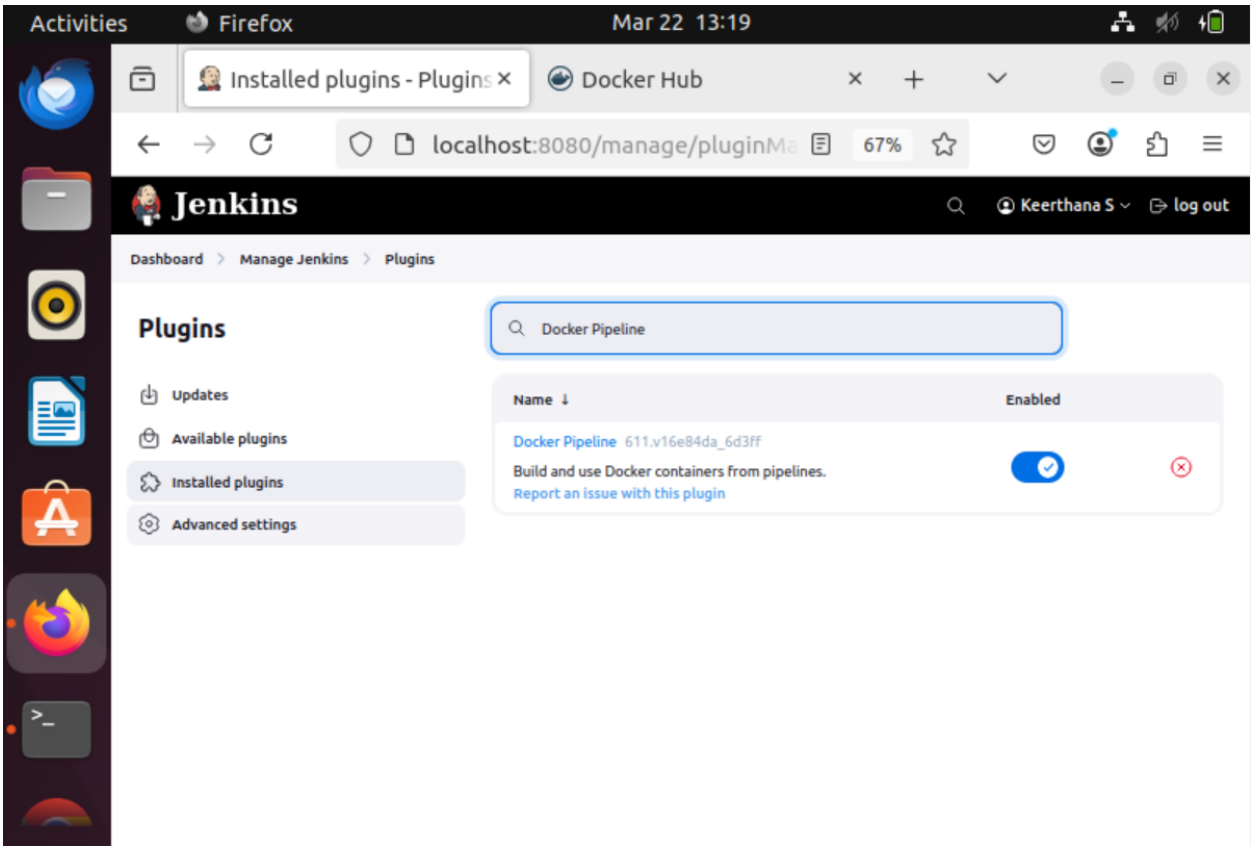


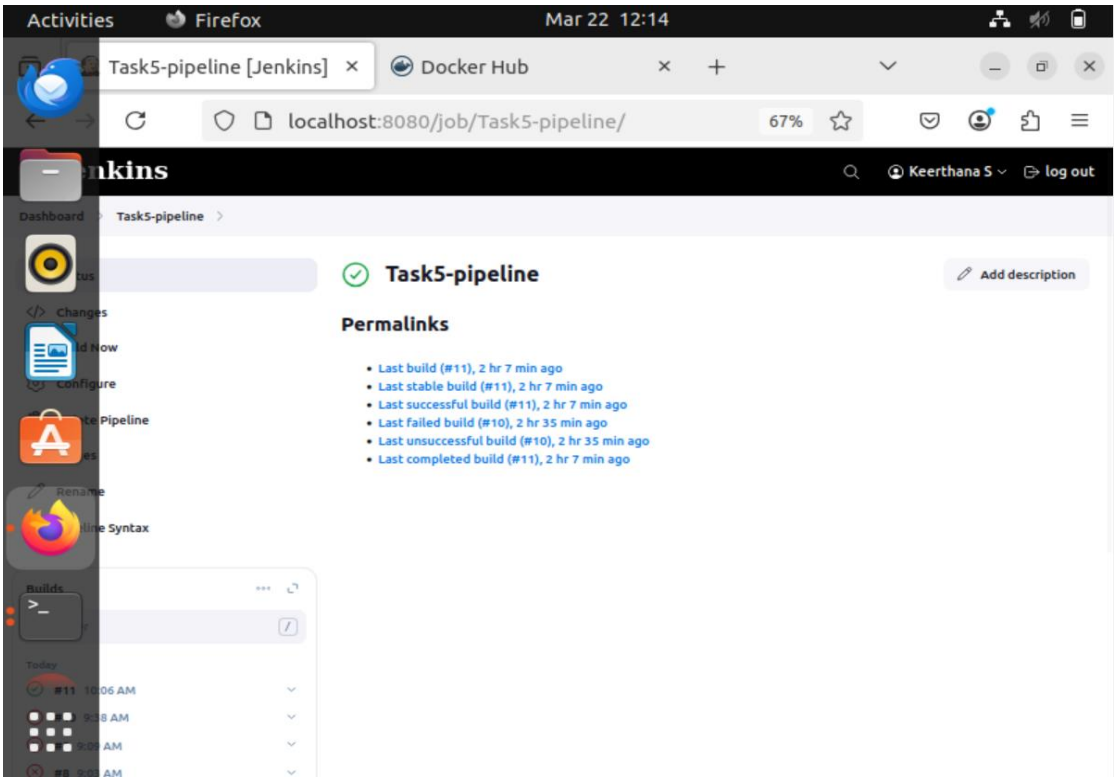
Step 10: Click on Apply and Save. Give Build now
Step 11: This gives an error message and we need to install maven to overcome this error

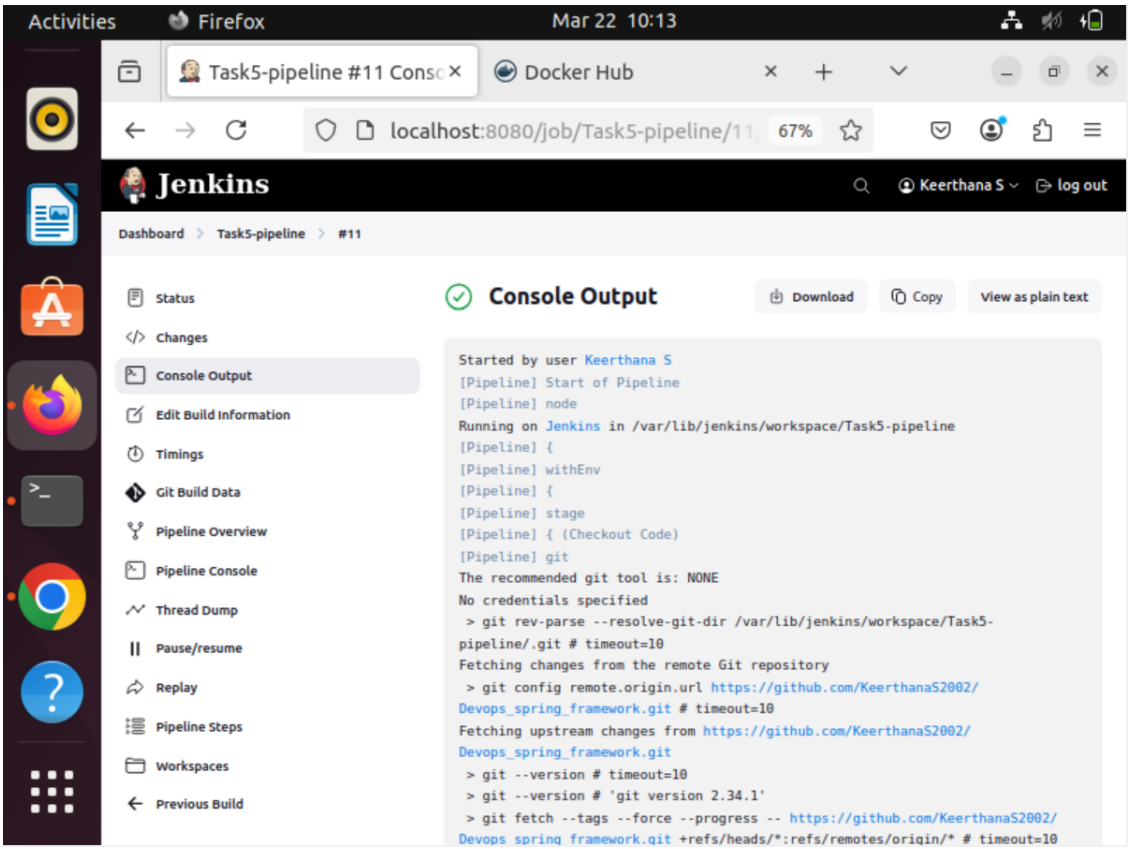


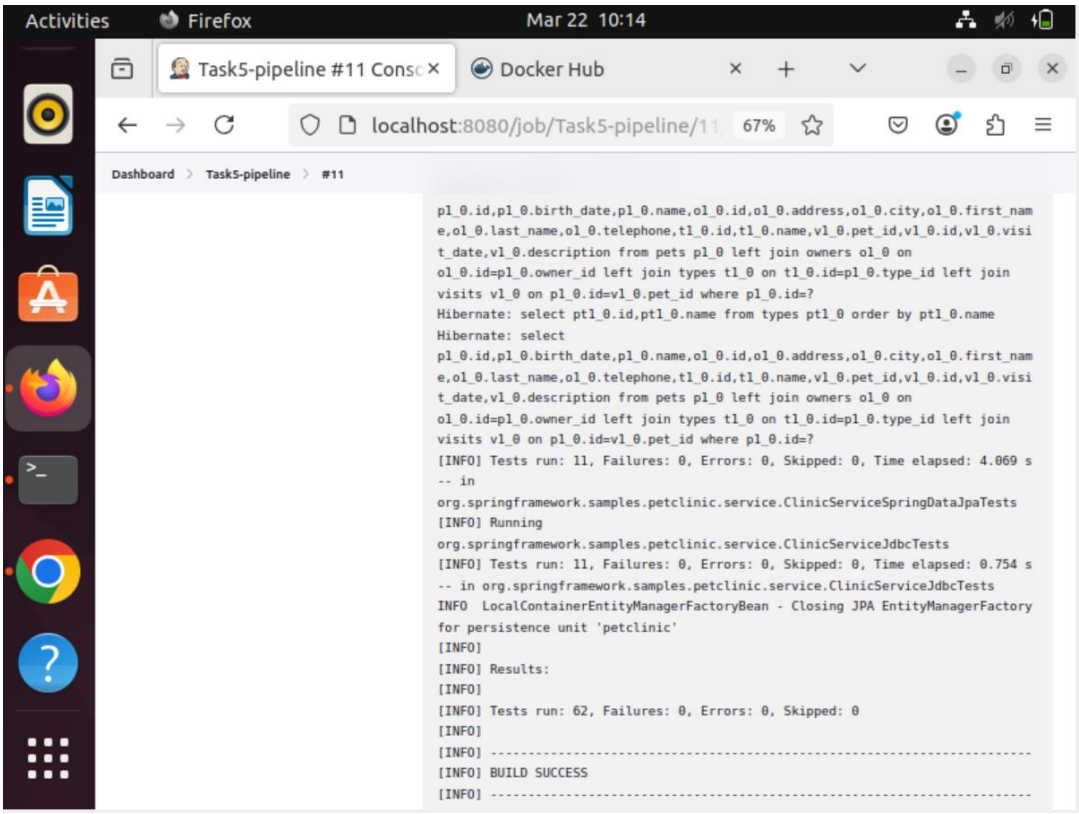
Step 12: Install maven and other necessary plugins in jenkins, give correct docker hub password and build again.

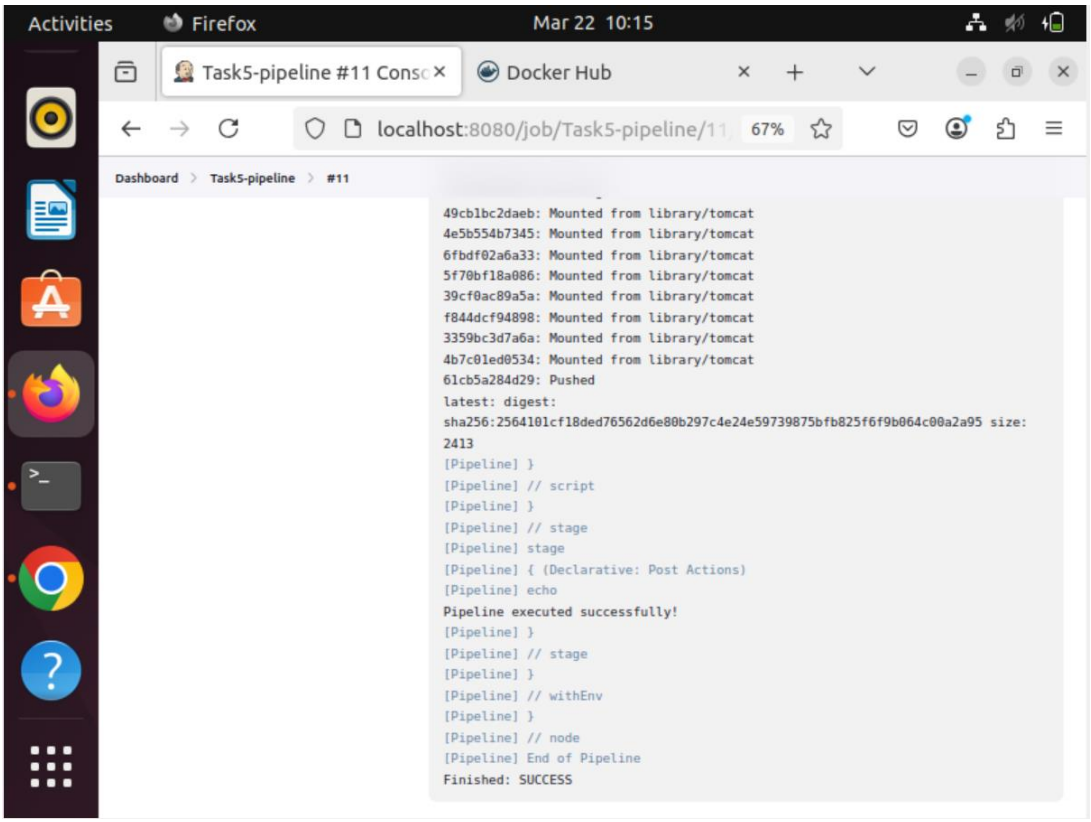





Activities
Firefox
Mar 22 12:14
Task5-pipeline [Jenkins]
Docker Hub
localhost:8080/job/Task5-pipeline/
67%
Keerthana S
log out
Dashboard
Task5-pipeline
Task5-pipeline
Add description
Permalinks
Last build (#11), 2 hr 7 min ago
Last stable build (#11), 2 hr 7 min ago
Last successful build (#11), 2 hr 7 min ago
Last failed build (#10), 2 hr 35 min ago
Last unsuccessful build (#10), 2 hr 35 min ago
Last completed build (#11), 2 hr 7 min ago


Activities
Firefox
Mar 22 10:13
Task5-pipeline #11 Cons
Docker Hub
localhost:8080/job/Task5-pipeline/11
67%
Jenkins
Keerthana S
log out
Dashboard
Task5-pipeline
#11
Status
Changes
Console Output
Edit Build Information
Timings
Git Build Data
Pipeline Overview
Pipeline Console
Thread Dump
Pause/resume
Replay
Pipeline Steps
Workspaces
Previous Build
Console Output
Download
Copy
View as plain text
Started by user Keerthana S
[Pipeline] Start of Pipeline
[Pipeline] node
Running on Jenkins in /var/lib/jenkins/workspace/Task5-pipeline
[Pipeline] {
[Pipeline] withEnv
[Pipeline] {
[Pipeline] stage
[Pipeline] { (Checkout Code)
[Pipeline] git
The recommended git tool is: NONE
No credentials specified
> git rev-parse --resolve-git-dir /var/lib/jenkins/workspace/Task5-pipeline/.git # timeout=10
Fetching changes from the remote Git repository
> git config remote.origin.url https://github.com/KeerthanaS2002/Devops_spring_framework.git # timeout=10
Fetching upstream changes from https://github.com/KeerthanaS2002/Devops_spring_framework.git
> git --version # timeout=10
> git --version # 'git version 2.34.1'
> git fetch --tags --force --progress -- https://github.com/KeerthanaS2002/Devops_spring_framework.git +refs/heads/*:refs/remotes/origin/* # timeout=10


Activities
Firefox
Mar 22 10:14
Task5-pipeline #11 Cons
Docker Hub
localhost:8080/job/Task5-pipeline/11
67%
Dashboard
Task5-pipeline
#11
p1_0.id,p1_0.birth_date,p1_0.name,o1_0.id,o1_0.address,o1_0.city,o1_0.first_nam
e,o1_0.last_name,o1_0.telephone,t1_0.id,t1_0.name,v1_0.pet_id,v1_0.id,v1_0.visi
t_date,v1_0.description from pets p1_0 left join owners o1_0 on
o1_0.id=p1_0.owner_id left join types t1_0 on t1_0.id=p1_0.type_id left join
visits v1_0 on p1_0.id=v1_0.pet_id where p1_0.id=?
Hibernate: select pt1_0.id,pt1_0.name from types pt1_0 order by pt1_0.name
Hibernate: select
p1_0.id,p1_0.birth_date,p1_0.name,o1_0.id,o1_0.address,o1_0.city,o1_0.first_nam
e,o1_0.last_name,o1_0.telephone,t1_0.id,t1_0.name,v1_0.pet_id,v1_0.id,v1_0.visi
t_date,v1_0.description from pets p1_0 left join owners o1_0 on
o1_0.id=p1_0.owner_id left join types t1_0 on t1_0.id=p1_0.type_id left join
visits v1_0 on p1_0.id=v1_0.pet_id where p1_0.id=?
[INFO] Tests run: 11, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 4.069 s
-- in
org.springframework.samples.petclinic.service.ClinicServiceSpringDataJpaTests
[INFO] Running
org.springframework.samples.petclinic.service.ClinicServiceJdbcTests
[INFO] Tests run: 11, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 0.754 s
-- in org.springframework.samples.petclinic.service.ClinicServiceJdbcTests
INFO LocalContainerEntityManagerFactoryBean - Closing JPA EntityManagerFactory
for persistence unit 'petclinic'
[INFO]
[INFO] Results:
[INFO]
[INFO] Tests run: 62, Failures: 0, Errors: 0, Skipped: 0
[INFO]
[INFO] --
[INFO] BUILD SUCCESS
[INFO] --


Activities
Firefox
Mar 22 10:15
Task5-pipeline #11 Cons
Docker Hub
localhost:8080/job/Task5-pipeline/11
67%
Dashboard
Task5-pipeline
#11
49cb1bc2daeb: Mounted from library/tomcat
4e5b554b7345: Mounted from library/tomcat
6fbdf02a6a33: Mounted from library/tomcat
5f70bf18a086: Mounted from library/tomcat
39cf0ac89a5a: Mounted from library/tomcat
f844dcf94898: Mounted from library/tomcat
3359bc3d7a6a: Mounted from library/tomcat
4b7c01ed0534: Mounted from library/tomcat
61cb5a284d29: Pushed
latest: digest:
sha256:2564101cf18ded76562d6e80b297c4e24e59739875bfb825f6f9b064c00a2a95 size:
2413
[Pipeline] }
[Pipeline] // script
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Declarative: Post Actions)
[Pipeline] echo
Pipeline executed successfully!
[Pipeline] }
[Pipeline] // stage
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // node
[Pipeline] End of Pipeline
Finished: SUCCESS