TASK 5

Step 1: Clone the repository from GitHub using the given URL.

Step 2: Delete the `.gitignore` file and push the repository to a new GitHub repo using a token.

Step 3: Start Jenkins using the required commands in a new Ubuntu terminal.

Step 4: Open `localhost:8080` in Chrome and log in to Jenkins.

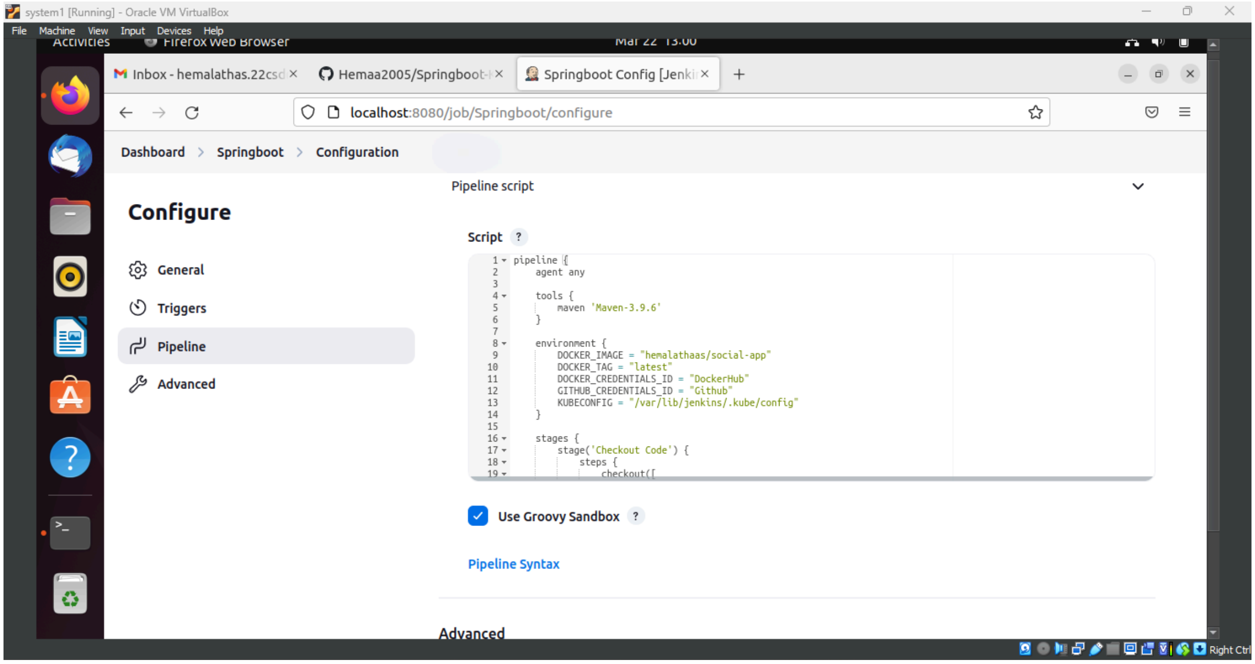
Step 5: Navigate to Manage Jenkins → Security → Credentials.

Step 6: Add new credentials for GitHub and Docker Hub.

Step 7: Download and modify the given Jenkins file.

Step 8: Create a new pipeline project named `Springboot` in Jenkins.

Step 9: Configure the pipeline by pasting the modified Jenkins file.



Pipeline script

Script ?

```
pipeline {
    agent any

    tools {
        maven 'Maven-3.9.6'
    }

    environment {
        DOCKER_IMAGE = "hemalathaas/social-app"
        DOCKER_TAG = "latest"
        DOCKER_CREDENTIALS_ID = "DockerHub"
        GITHUB_CREDENTIALS_ID = "Github"
        KUBECONFIG = "/var/lib/jenkins/.kube/config"
    }

    stages {
        stage('Checkout Code') {
            steps {
                checkout([
```

☑ Use Groovy Sandbox ?

Pipeline Syntax

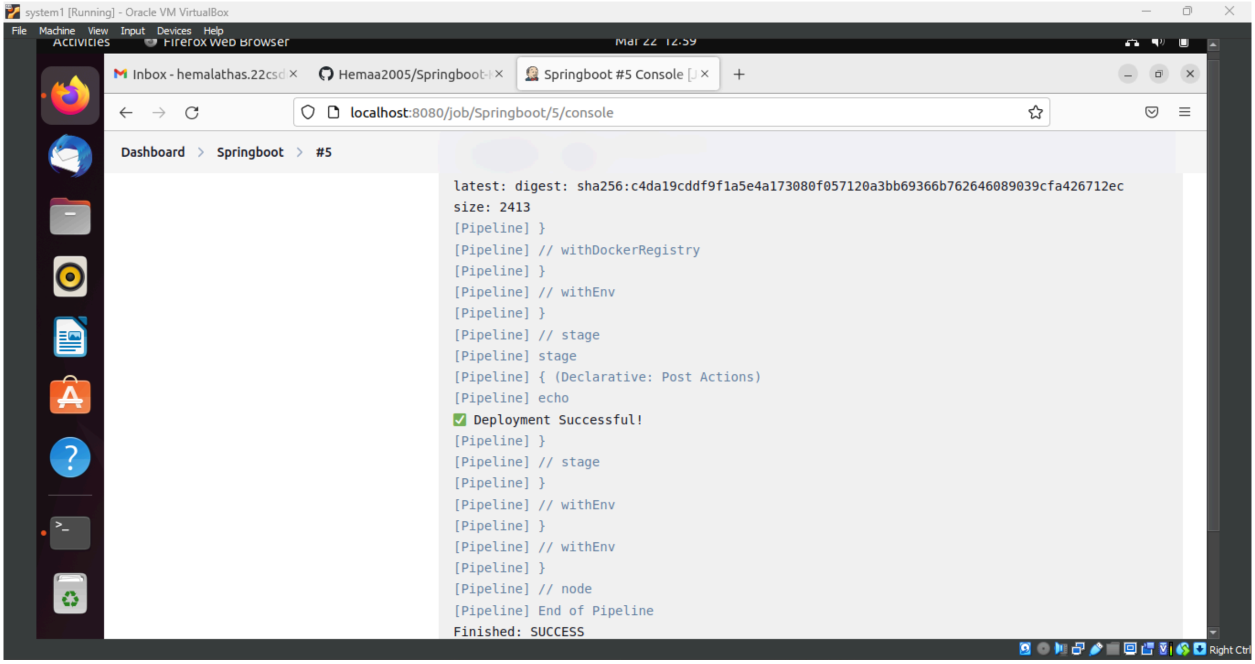
Advanced

Step 10: Save the configuration and trigger the build.

Step 11: If an error occurs, install Maven to resolve it.

Step 12: Install required plugins, set the correct Docker Hub password, and rebuild.

Output:



system1 [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
Activities
Firefox Web Browser
Mar 22 12:59
Inbox - hemalathas.22csd
Hemaa2005/Springboot-
Springboot #5 Console [J
localhost:8080/job/Springboot/5/console
Dashboard > Springboot > #5
Right Ctrl

```
latest: digest: sha256:c4da19cddf9f1a5e4a173080f057120a3bb69366b762646089039cfa426712ec
size: 2413
[Pipeline] }
[Pipeline] // withDockerRegistry
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Declarative: Post Actions)
[Pipeline] echo
✅ Deployment Successful!
[Pipeline] }
[Pipeline] // stage
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // node
[Pipeline] End of Pipeline
Finished: SUCCESS
```