1.creating the Git private repo

2.Dev will store coded files in Git repo

3.Devops engineer will store Dockerfile, Ansible playbook, pom.xml file in Git repo

4.Docker ==> Tomcat webapplication creation

5.Ansible playbook ==> Docker container creation on the remote servers

6.pom.xml ==> maven project

7.create some user account in Ansible server and add the user to the super user

8.Install the docker in Ansible server

9.Add the user account to Docker group in Ansible server

10.docker service is running in the ansible server

11.Establishing the connection between Ansible server and Jenkins ==> SSH passwordless authentication.

12.we have to create one folder in ansible server which will be used for hosting the files which will come from jenkins ==> /opt/test

13.change the ownership of your user on this folder /opt/test

14. Installation of Docker on remote server and create a user account and add that account to the docker group and makesure the docker services are running

15.Jenkins

a.installation of maven plugin

b.installation of publish over ssh

c.creating the maven project

d.storing the ansible server details in configure system.

e.scm ==> get the files from git

f.copy the dev coded files on to the /opt/test

g.creating the docker image from Dockerfile in ansible server and publish this docker image onto Dockerhub registry

h.creating the docker container on remote server using ansible playbook

16.Login to the remote server and verify the docker container status ==> running state

17.Open that port in security group of AWS console for remote server

18.Accessing the tomcat webapplication ==> <http://publicip:1234/webapp>