



MINIPROJECT-2

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Subject Name: Devops Process Automation Subject Code: 23CAH-731

1.Aim/Overview of the practical:

• Build and push a docker image from a Jenkins pipeline.

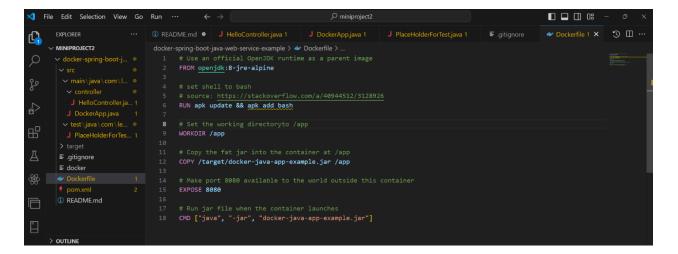
2.Step for the Practical:

• Firstly, create a website and push it into the GitHub repository.

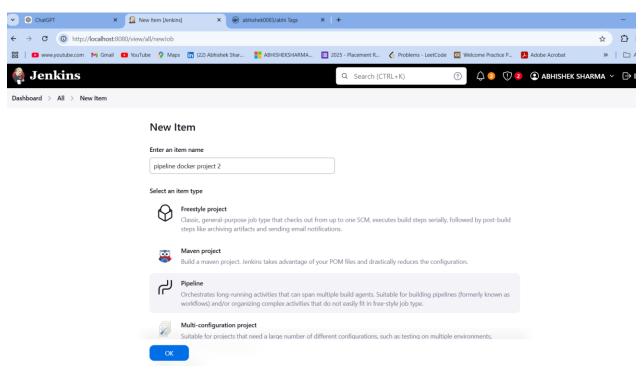
- Create a Docker file for build the docker image and push it to the docker hub.
- To build this project make sure you have downloaded and configure all the plugins related to Docker.
- In the Docker Hub create a username and password, after login create a repository for pushing the docker image through the Jenkins pipeline.
- If the docker repository is private then gave a credential to the Jenkins through global manager.
- Also docker Hub credential.







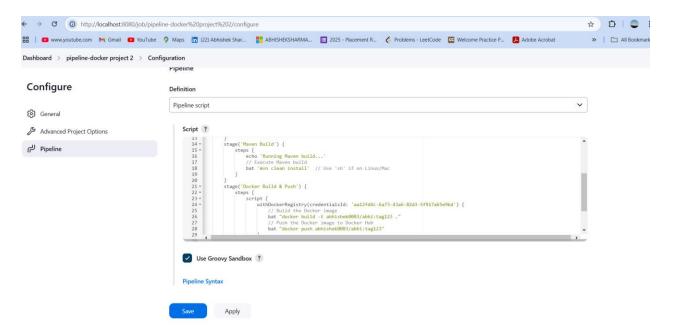
- Now open the github and copy the URL of the repository to use in Jenkins CI/CD pipeline for
- Open the Jenkins through localhost and create a pipeline project



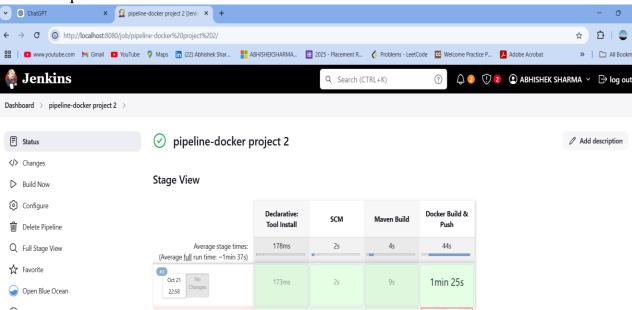
- After that add description about the project and in the github section add repository URL.
- Now below sections add Jenkins script to build and Push.







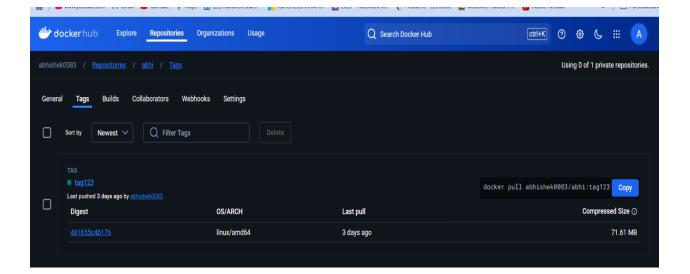
 Save and build now the project or in the stage view section we can see the output.



- To see the output open the docker Hub.
- Check whether the image is pushed or not.







6. Repository Link: https://github.com/abhishek0083/DevopsMiniProject2

3.Learning Outcomes (What I have learned)

I Learned to: -

• How to build and push docker image into docker hub using a Jenkins pipeline.