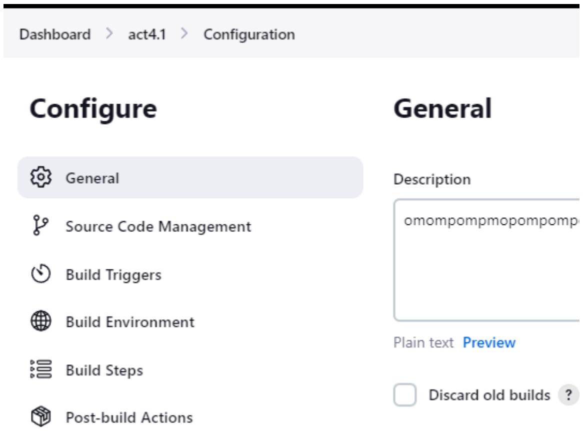
## 5. To implement windows batch command on a project in Jenkins (with and without parameters)

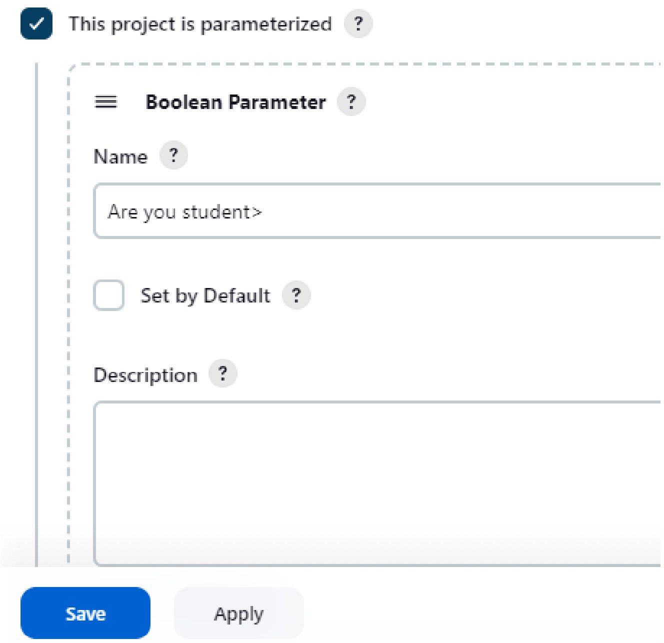
New item -> Freestyle project -> Add Build Steps -> Windows Batch Command -> In the box enter (echo “Hello World”) -> Build Now -> Console Output



Description: omompompmopompomp

□ Discard old builds ?

Check This project is parameterized



☑ This project is parameterized ?

Boolean Parameter ?

Name ?: Are you student>

□ Set by Default ?

Description ?

## 8. To create a pipeline script and build a pipeline of jobs in Jenkins

New Item -> Pipeline -> Create -> Enter some definition -> Scroll down to Pipeline -> Select pipeline script -> Build Now

## 9. To create a Jenkinsfile in a repository on GitHub and build a pipeline of jobs in Jenkins

First fork a repo -> https://github.com/chrismld/jenkins-pipeline-tutorial ->
New Item -> Pipeline -> Create -> Enter some description -> Scroll doen to pipeline -> Select pipeline from SCM -> In SCM select Git -> Enter Git URL -> Apply and Save -> Build Now

Once build is successful -> Go to github -> Setting -> Left panel search for webhooks -> Add webhook
Go to ngrok website -> Download Windows 64bit zip -> Extract .exe file ->

Go to cmd -> ngrok -> execute 'ngrok.exe http 8080' copy the forwarding link add it to the payload_url-> Add Webhook '/github-webhook' -> Content-type (Application/JSON)

Go to Jenkins -> Click on build now

Go to GitHub -> Add a file .txt -> commit it -> Go to Jenkins -> Refresh -> Wait for 10-15 sec and it will automatically Build

## Exp 11: To Implement Docker Commands

Docker commands:
Docker –version
Docker login

Next open docker -> Go to images -> Search 'Images' -> eg: Image named registry
Cmd -> docker pull <imagename> -> docker images -q ->

Docker pull ubuntu
Docker pull ubuntu:rolling

## Exp 7: To build a Maven and Ant project in Jenkins

### ***Maven***

New Item -> Maven Project -> Create -> (Source code management) Select Git -> *Note* Maven Ant & Gradle works explicitly -> Fork a Repo on github -> Enter the cloning url -> Scroll down to Build -> clean compile test -> Apply -> Save -> Build Now

### ***Ant***

New Item -> Maven Project -> Create -> (Source code management) Select Git -> Build steps -> select Invoke Ant -> Ant Version -> Ant -> (Targets = clean compile package) -> Build now -> Open console output -> Scroll dwn and copy the path ->
-> Open cmd -> execute: dir
C:\ProgramData\Jenkins\.jenkins\workspace\act7.2\target\roshambo.war

### ***Maven***