

Advance AWS

AWS Assessment Project 5

Student:

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Teacher:

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Course:

Advance AWS Cloud Computing with DevOps
Fundamentals

Institute:

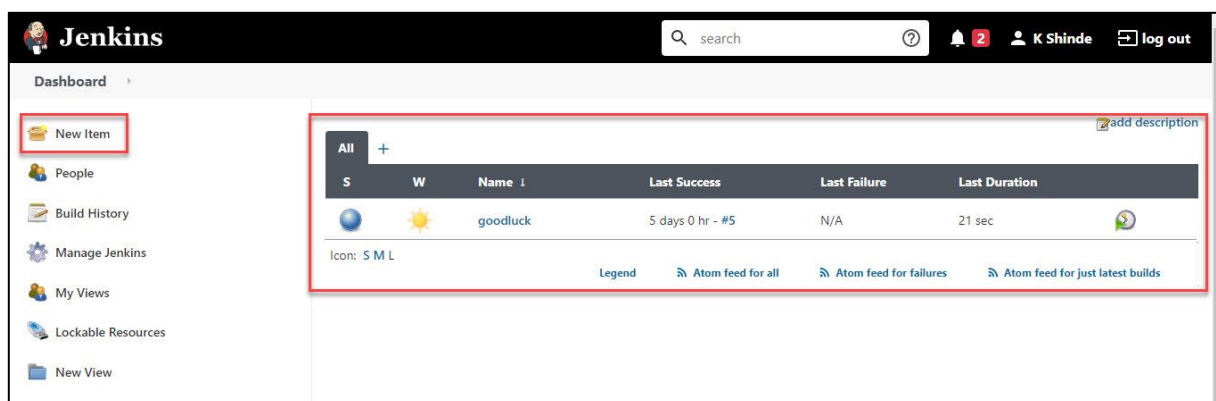
Lets Upgrade

Project: Scheduling a basic job in Jenkins

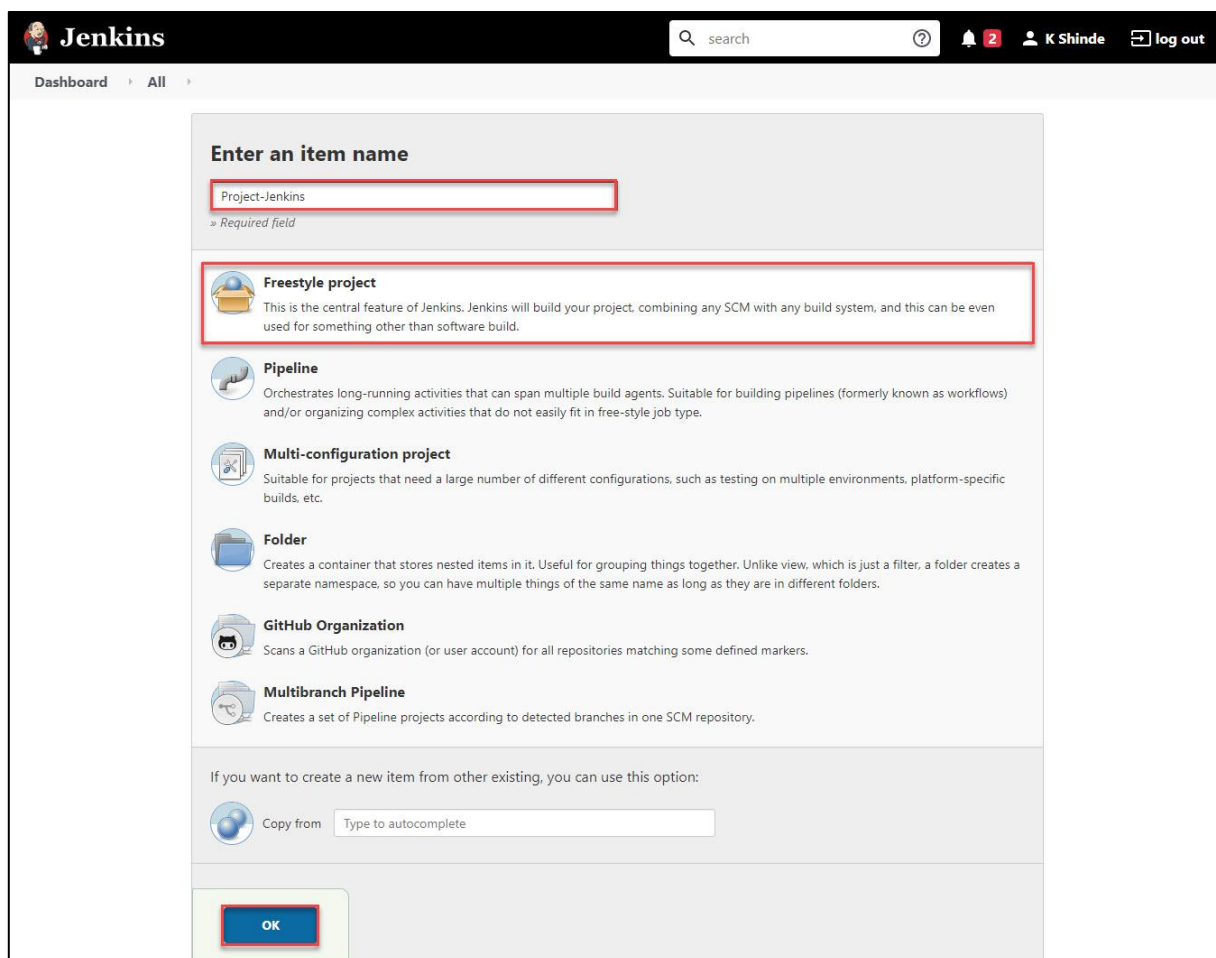
Task 1	Create a free style project
Task 2	Configure git SCM
Task 3	Add build step - java commands in execute windows batch command
Task 4	Run a build and show console output

TASK 1: Create a free style project in Jenkins

- SS: First Page of Jenkins Console



- New Item



Sr. No.	Item Name	Type
1.	Project-Jenkins	Freestyle project

TASK 2: Configure git SCM

- General Tab

The screenshot shows the Jenkins 'General' tab for 'Project-Jenkins'. The 'Description' field contains the text: 'This job is to connect to Git for Source Code Management & prints, Welcome to Project-Jenkins, as the output'. Below the description are several checkboxes: 'Discard old builds', 'GitHub project', 'This build requires lockable resources', 'This project is parameterized', and 'Throttle builds'. At the bottom, there are 'Save' and 'Apply' buttons.

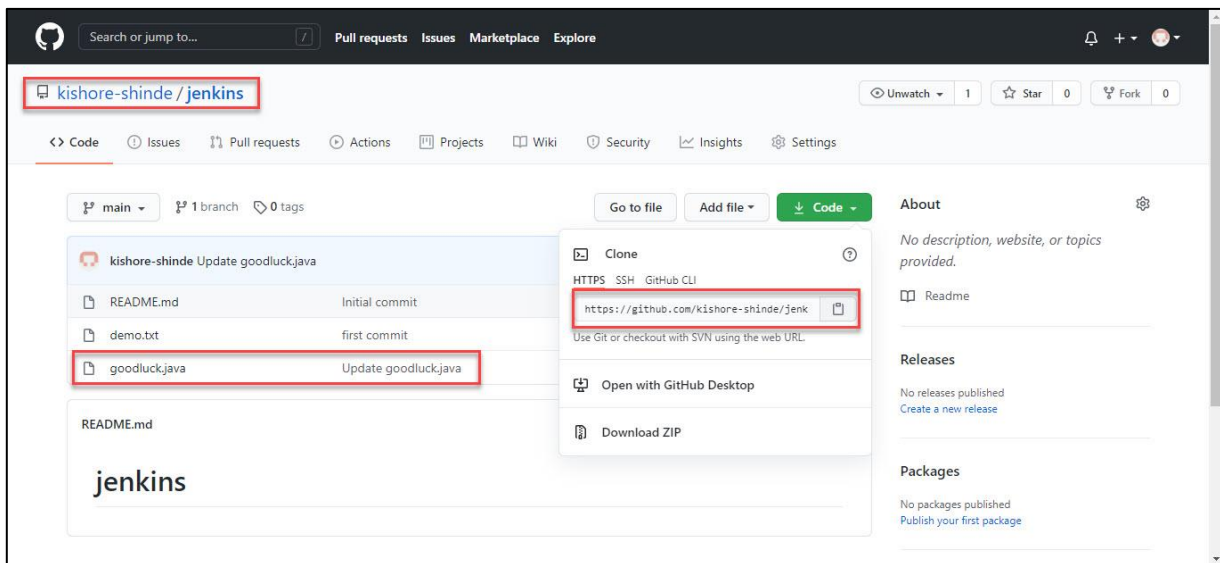
- SS: git SCM config tab

The screenshot shows the Jenkins 'Source Code Management' tab for 'Project-Jenkins'. The 'Git' radio button is selected. Under 'Repositories', the 'Repository URL' is 'https://github.com/kishore-shinde/jenkins.git', 'Credentials' is '- none -', 'Name' is 'origin', and 'Refspec' is '+refs/pull/*:refs/remotes/origin/pr/*'. There is an 'Add Repository' button. Under 'Branches to build', there is a 'Branch Specifier (blank for \'any\')' field and an 'Add Branch' button. At the bottom, there are 'Save' and 'Apply' buttons.

Sr. No.	Repository URL	Name	Refspec
1.	https://github.com/kishore-shinde/jenkins.git	origin	+refs/pull/*:refs/remotes/origin/pr/*

Note: Get the URL from GitHub Jenkins Project as shown below

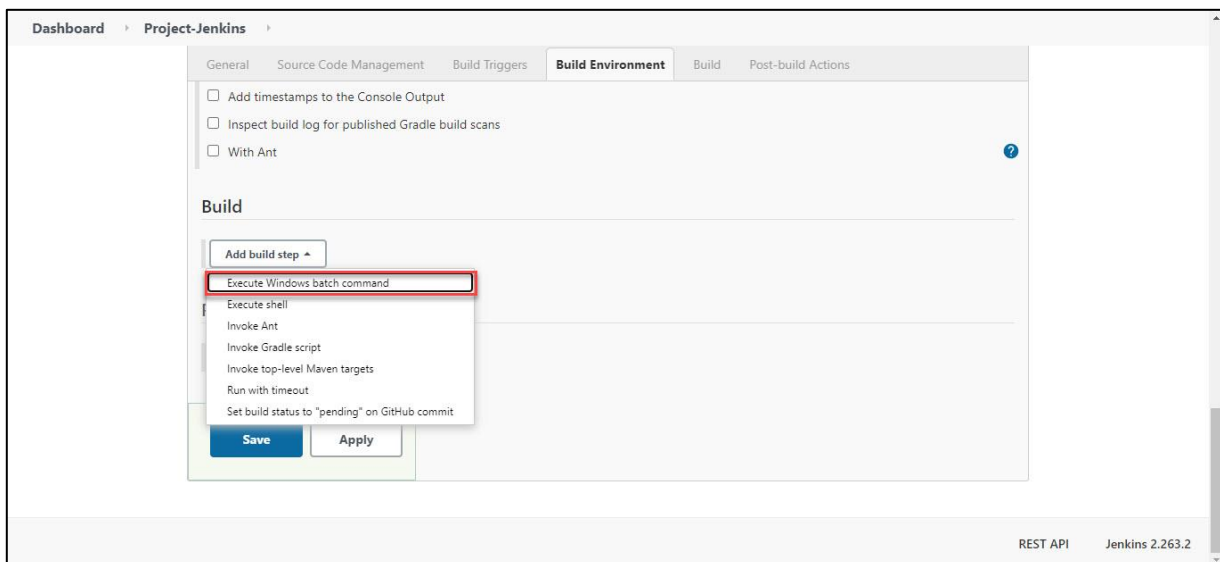
- GitHub URL



URL : <https://github.com/kishore-shinde/jenkins.git>

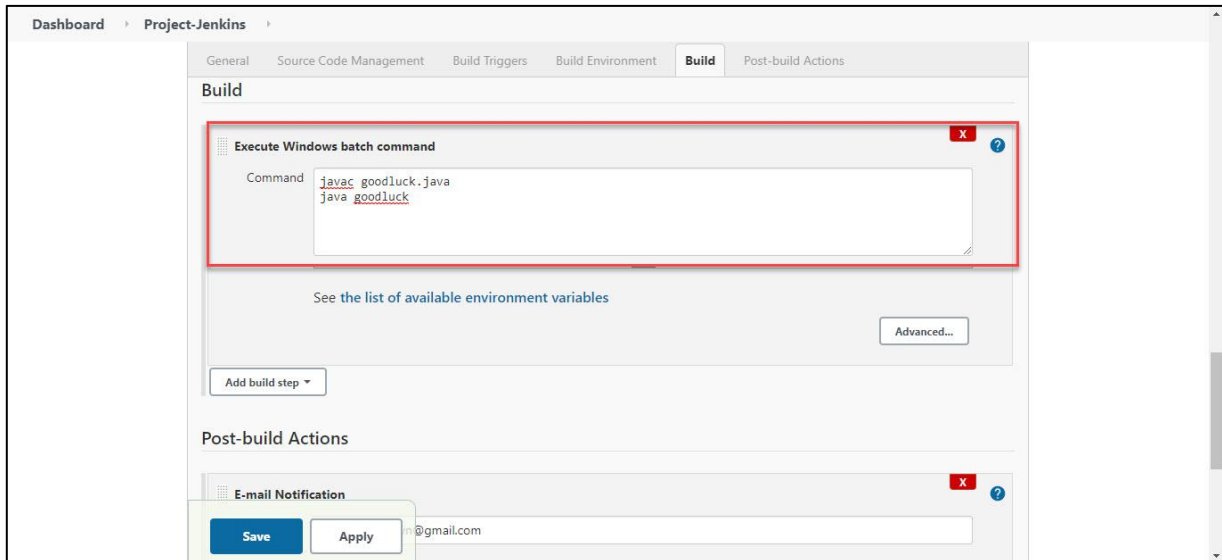
TASK 3: Add build step – java commands in execute windows batch commands

- Add build step



- Select “Execute Windows batch command”

- SS - commands

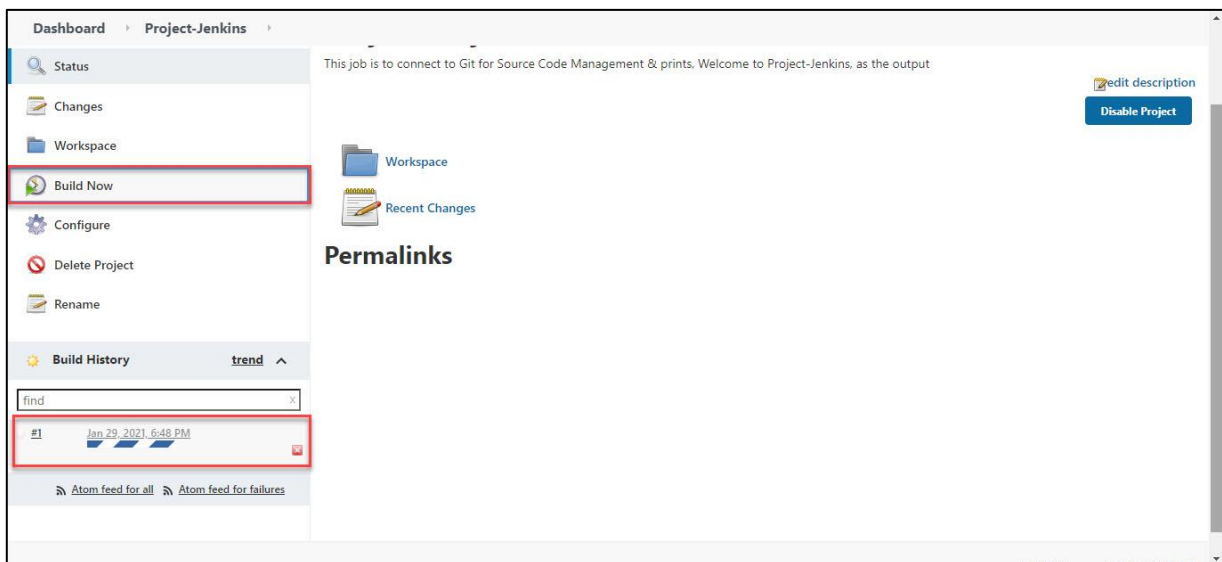


Sr. No.	Command	Description
1.	javac goodluck.java	Will compile the java file
2.	java goodluck	Will execute the java file

- Click on **Apply** & then **Save** to save the Project

TASK 4: Run a build and show console output

- Run a build



- Select the project – **Project Jenkins** and click on **Build Now**

- Under **Build History**, select build **#1**, once the build is completed
- On the next screen, select **Console Output**

- **SS - Console Output**

Jenkins

Dashboard > Project-Jenkins > #1

Back to Project

Status

Changes

Console Output

View as plain text

Edit Build Information

Delete build '#1'

Git Build Data

Console Output

Started by user K Shinde
Running as SYSTEM
Building in workspace C:\WINDOWS\system32\config\systemprofile\AppData\Local\Jenkins\.jenkins\workspace\Project-Jenkins
The recommended git tool is: NONE
No credentials specified
Cloning the remote Git repository
Cloning repository https://github.com/kishore-shinde/jenkins.git
> git.exe init C:\WINDOWS\system32\config\systemprofile\AppData\Local\Jenkins\.jenkins\workspace\Project-Jenkins # timeout=10
Fetching upstream changes from https://github.com/kishore-shinde/jenkins.git
> git.exe --version # timeout=10
> git --version # 'git version 2.30.0.windows.2'
> git.exe fetch --tags --force --progress -- https://github.com/kishore-shinde/jenkins.git +refs/heads/*:refs/remotes/origin/* # timeout=10
> git.exe config remote.origin.url https://github.com/kishore-shinde/jenkins.git # timeout=10
> git.exe config --add remote.origin.fetch +refs/heads/*:refs/remotes/origin/* # timeout=10
> git.exe config remote.origin.url https://github.com/kishore-shinde/jenkins.git # timeout=10
Fetching upstream changes from https://github.com/kishore-shinde/jenkins.git
> git.exe fetch --tags --force --progress -- https://github.com/kishore-shinde/jenkins.git +refs/pull/*:refs/remotes/origin/pr/* # timeout=10
Seen branch in repository origin/main
Seen 1 remote branch
> git.exe show-ref --tags -d # timeout=10
Checking out Revision 1cbbdfcf8504c6e914289195b9f8d7f4e3b454b4 (origin/main)
> git.exe config core.sparsecheckout # timeout=10
> git.exe checkout -f 1cbbdfcf8504c6e914289195b9f8d7f4e3b454b4 # timeout=10
Commit message: "Update goodluck.java"
First time build. Skipping changelog.
[Project-Jenkins] \$ cmd /c call C:\WINDOWS\TEMP\jenkins13598317313122796206.bat

C:\WINDOWS\system32\config\systemprofile\AppData\Local\Jenkins\.jenkins\workspace\Project-Jenkins>javac goodluck.java

C:\WINDOWS\system32\config\systemprofile\AppData\Local\Jenkins\.jenkins\workspace\Project-Jenkins>java goodluck
Welcome to Project-Jenkins

C:\WINDOWS\system32\config\systemprofile\AppData\Local\Jenkins\.jenkins\workspace\Project-Jenkins>exit 0
Finished: SUCCESS

REST API Jenkins 2.263.2

- Once the project is successfully compiled and executed you will get following message and build status:
 - **Welcome to Project-Jenkins** – output of the java file
 - **Finished: SUCCESS** – build status

xxx---AWS Assessment Project 5 Ends Here---xxx