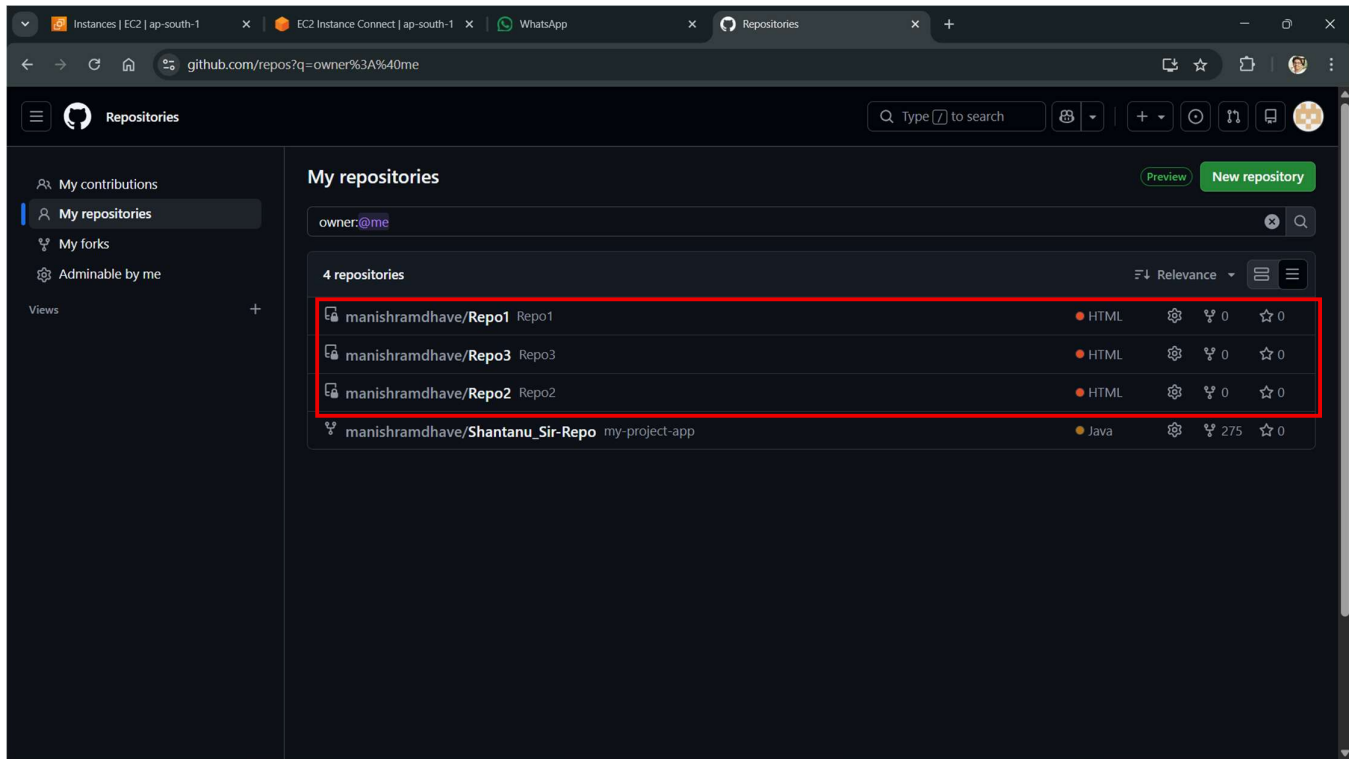
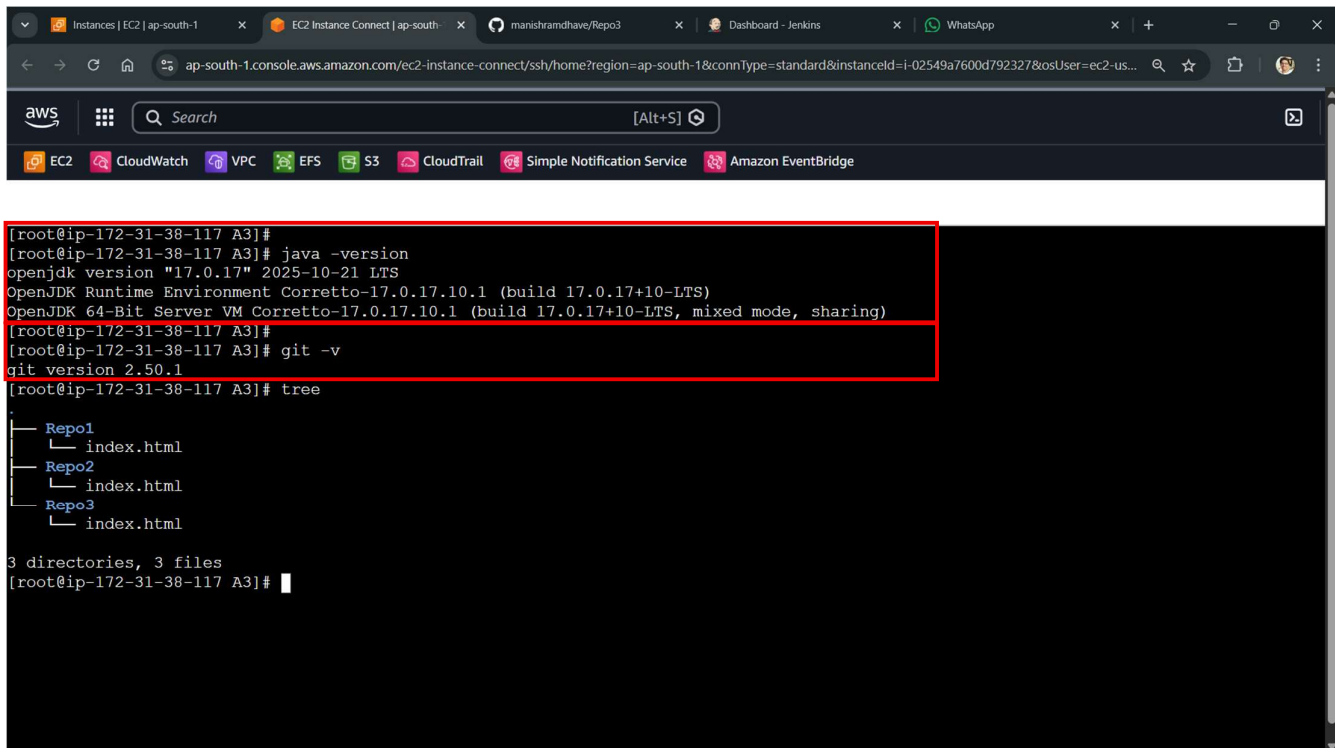


Jenkins Assignment 1

Step 1: Made three Private Repositories Repo1, Repo2 and Repo3 in GitHub account:



Step 2: Launched an instance and installed Java -17 and Git on it:



Step 3: Installed Apache-Tomcat-10 and Jenkins on the instance:

```
aws
[Instances | EC2 | ap-south-1] x EC2 Instance Connect | ap-south-1 x command for check jenkins version x ChatGPT
ap-south-1.console.aws.amazon.com/ec2-instance-connect/ssh/home?region=ap-south-1&connType=standard&instanceId=i-02549a7600d792327&osUser=ec2-us...
[root@ip-172-31-38-117 ~]#
[root@ip-172-31-38-117 ~]# cd server
[root@ip-172-31-38-117 server]# ll
total 16
drwxrwxrwx. 9 root root 16384 Dec  2 22:57 apache-tomcat-10.1.50/
[root@ip-172-31-38-117 server]# cd apache-tomcat-10.1.50/
[root@ip-172-31-38-117 apache-tomcat-10.1.50]#
[root@ip-172-31-38-117 apache-tomcat-10.1.50]#
[root@ip-172-31-38-117 apache-tomcat-10.1.50]# cd webapps
[root@ip-172-31-38-117 webapps]#
[root@ip-172-31-38-117 webapps]# ll
total 94056
drwxrwxrwx.  3 root root    16384 Dec  2 22:57
drwxrwxrwx. 16 root root    16384 Dec  2 22:57
drwxrwxrwx.  7 root root      99 Dec  2 22:57
drwxrwxrwx.  6 root root      79 Dec  2 22:57
drwxr-x--. 10 root root    16384 Jan 27 17:35 jenkins
-rwxrwxrwx.  1 root root 96260165 Jan 21 09:32 jenkins.war
drwxrwxrwx.  6 root root      114 Dec  2 22:57
[root@ip-172-31-38-117 webapps]#
```

Step 4: Pushed three different index.html files using the branches 2026Q1, 2026Q2 and 2026Q3 respectively:

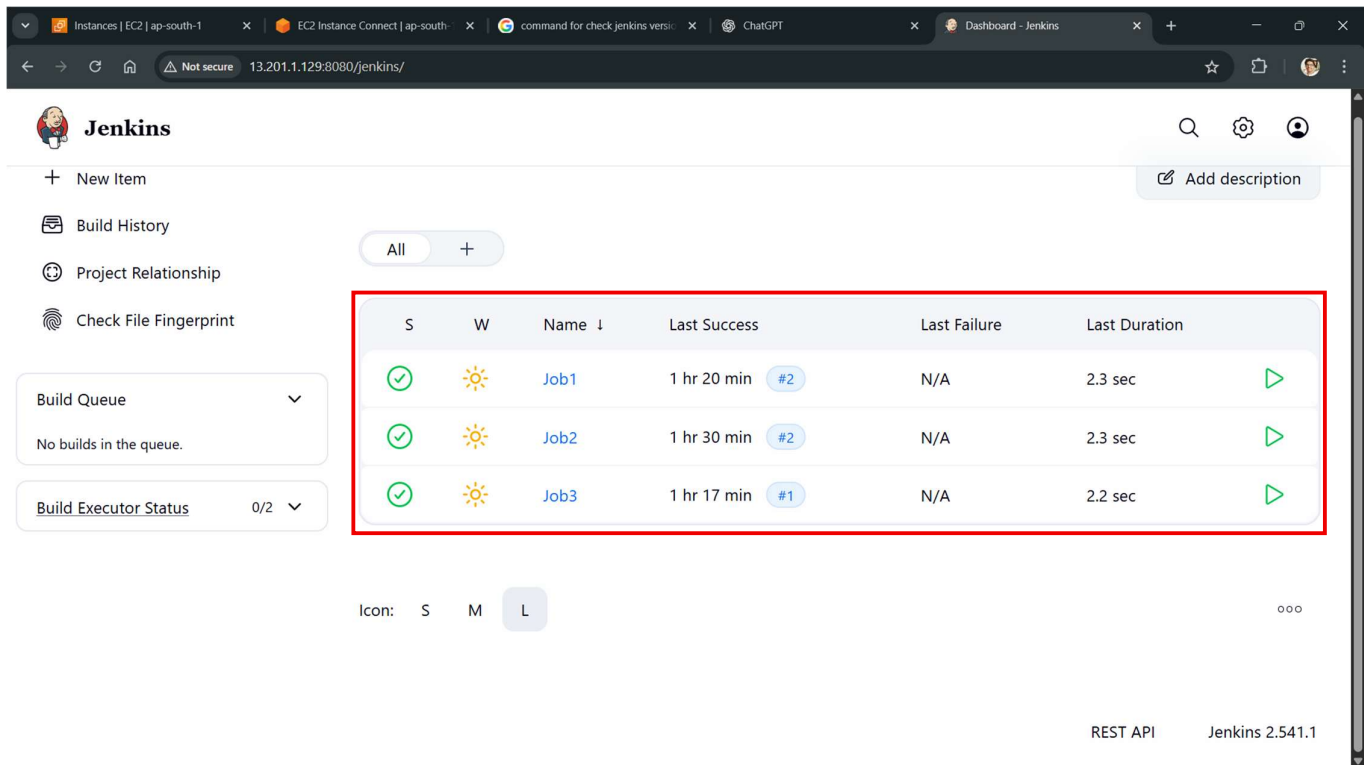
```
aws
[Instances | EC2 | ap-south-1] x EC2 Instance Connect | ap-south-1 x command for check jenkins version x ChatGPT
ap-south-1.console.aws.amazon.com/ec2-instance-connect/ssh/home?region=ap-south-1&connType=standard&instanceId=i-02549a7600d792327&osUser=ec2-us...
[root@ip-172-31-38-117 A3]# cd Repo1
[root@ip-172-31-38-117 Repo1]# git log
commit a42a77c322ac1c735ac7b6b1608c2e11efb3eb4 (HEAD -> 2026Q1, origin/2026Q1, master)
Author: root <root@ip-172-31-38-117.ap-south-1.compute.internal>
Date: Tue Jan 27 17:59:58 2026 +0000

    Added index.html in Repo1
[root@ip-172-31-38-117 Repo1]#
[root@ip-172-31-38-117 Repo1]# cd ..
[root@ip-172-31-38-117 A3]# cd Repo2
[root@ip-172-31-38-117 Repo2]# git log
commit c8f31040f1ba719af73e190e76270097b8211cae (HEAD -> 2026Q2, origin/2026Q2, master)
Author: root <root@ip-172-31-38-117.ap-south-1.compute.internal>
Date: Tue Jan 27 18:02:53 2026 +0000

    Added index.html in Repo2
[root@ip-172-31-38-117 Repo2]#
[root@ip-172-31-38-117 Repo2]# cd ..
[root@ip-172-31-38-117 A3]# cd Repo3
[root@ip-172-31-38-117 Repo3]# git log
commit 699fe4681b85786a1bb20d120afe5bc1160d4278 (HEAD -> 2026Q3, origin/2026Q3, master)
Author: root <root@ip-172-31-38-117.ap-south-1.compute.internal>
Date: Tue Jan 27 19:11:42 2026 +0000

    Added index.html in Repo3
[root@ip-172-31-38-117 Repo3]#
```

Step 5: Launched the Jenkins and created three different Jobs Job1, Job2 and Job3:



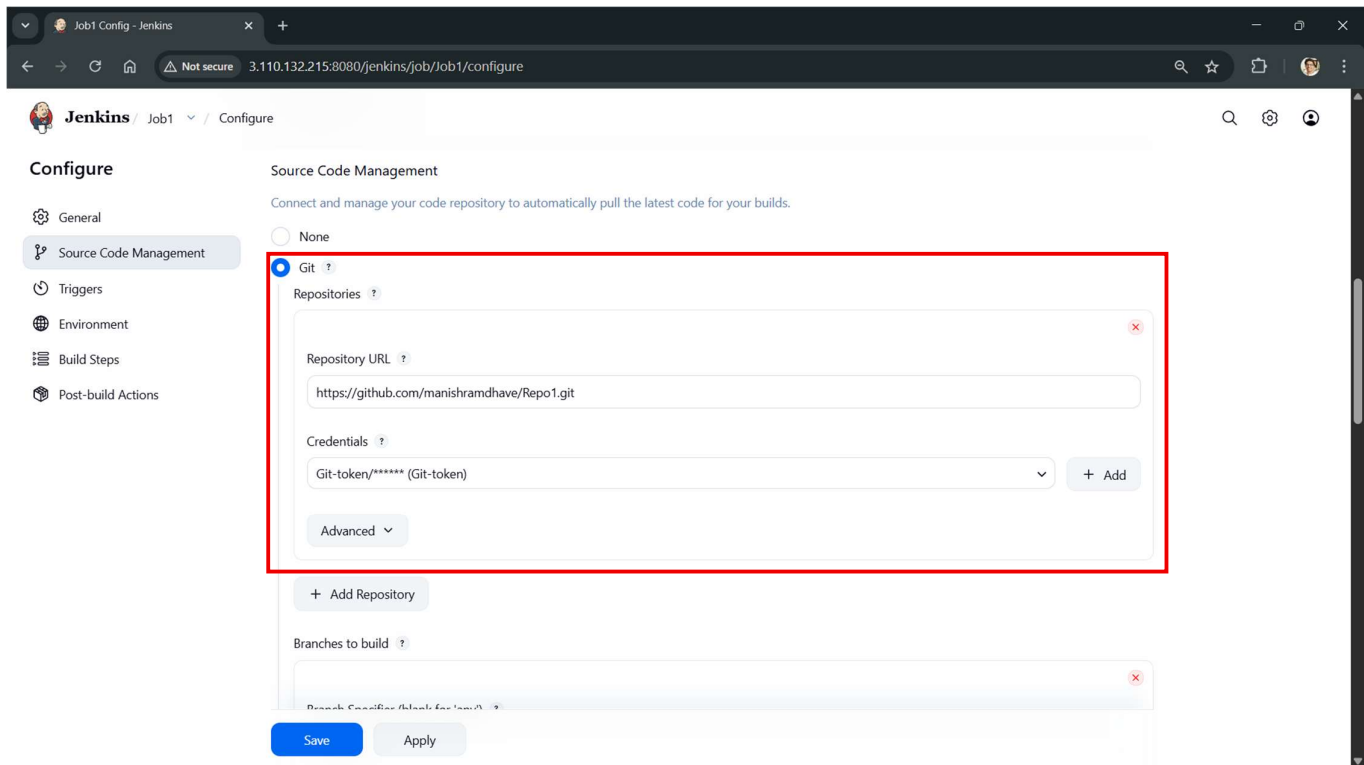
The screenshot shows the Jenkins Dashboard. On the left, there are links for 'New Item', 'Build History', 'Project Relationship', and 'Check File Fingerprint'. Below these are sections for 'Build Queue' (No builds in the queue) and 'Build Executor Status' (0/2). The main area displays a table of jobs. A red box highlights the first three rows of the table, which are Job1, Job2, and Job3. Job1 and Job2 are highlighted with a red box.

S	W	Name ↓	Last Success	Last Failure	Last Duration
✓	☀	Job1	1 hr 20 min #2	N/A	2.3 sec
✓	☀	Job2	1 hr 30 min #2	N/A	2.3 sec
✓	☀	Job3	1 hr 17 min #1	N/A	2.2 sec

Icon: S M L

REST API Jenkins 2.541.1

Step 6: Integrated Git with Jenkins by creating 'Credentials' by using the Git Token:



The screenshot shows the Jenkins Job Configuration page for Job1. The 'Source Code Management' section is highlighted with a red box. It shows the 'Git' option selected under 'Source Code Management'. The 'Repository URL' field is filled with 'https://github.com/manishramdhare/Repo1.git'. The 'Credentials' field is filled with 'Git-token/***** (Git-token)'. There is an 'Add' button next to the credentials field. Below the highlighted section, there is an 'Add Repository' button and a 'Branches to build' field.

Configure Job1 / Configure

Source Code Management

Connect and manage your code repository to automatically pull the latest code for your builds.

☐ None

☒ Git ?

Repositories ?

Repository URL ?

https://github.com/manishramdhare/Repo1.git

Credentials ?

Git-token/***** (Git-token) + Add

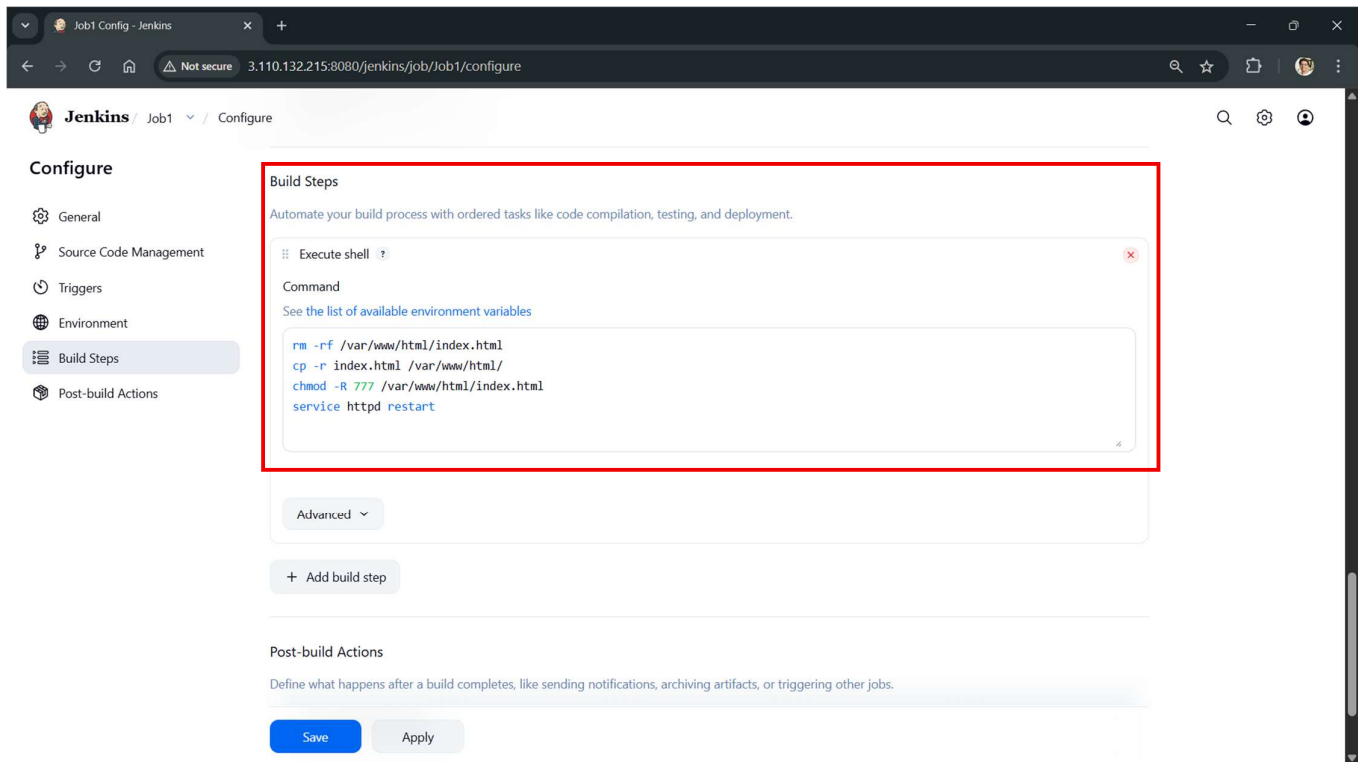
Advanced ▾

+ Add Repository

Branches to build ?

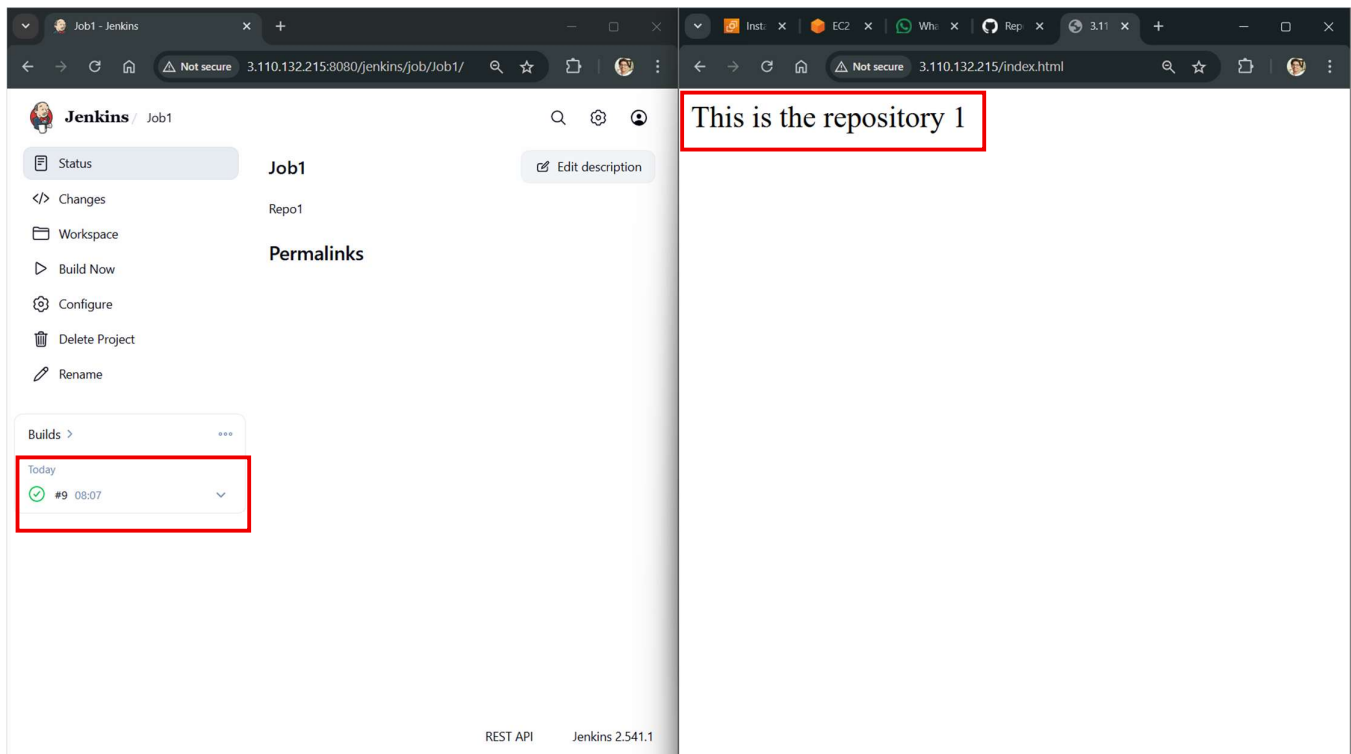
Save Apply

Step 7: Executed Shell Script Commands whenever a Build is done by the user:



Result:

1. When Build Now is done by Job1, the index.html file is hosted which is available in Repo1:



2. When Build Now is done by Job2, the index.html file is hosted which is available in Repo2:

The screenshot shows two browser windows. The left window displays the Jenkins interface for 'Job2'. The 'Builds' section shows a list of builds, with the most recent build (#8) at 08:07 highlighted by a red box. The right window shows a browser at the address '3.110.132.215/index.html', displaying the text 'Hi there. This is Repo2' enclosed in a red box.

3. When Build Now is done by Job3, the index.html file is hosted which is available in Repo3:

The screenshot shows two browser windows. The left window displays the Jenkins interface for 'Job3'. The 'Builds' section shows a list of builds, with the most recent build (#10) at 08:08 highlighted by a red box. The right window shows a browser at the address '3.110.132.215/index.html', displaying the text 'Hi there. This is repo3' enclosed in a red box.