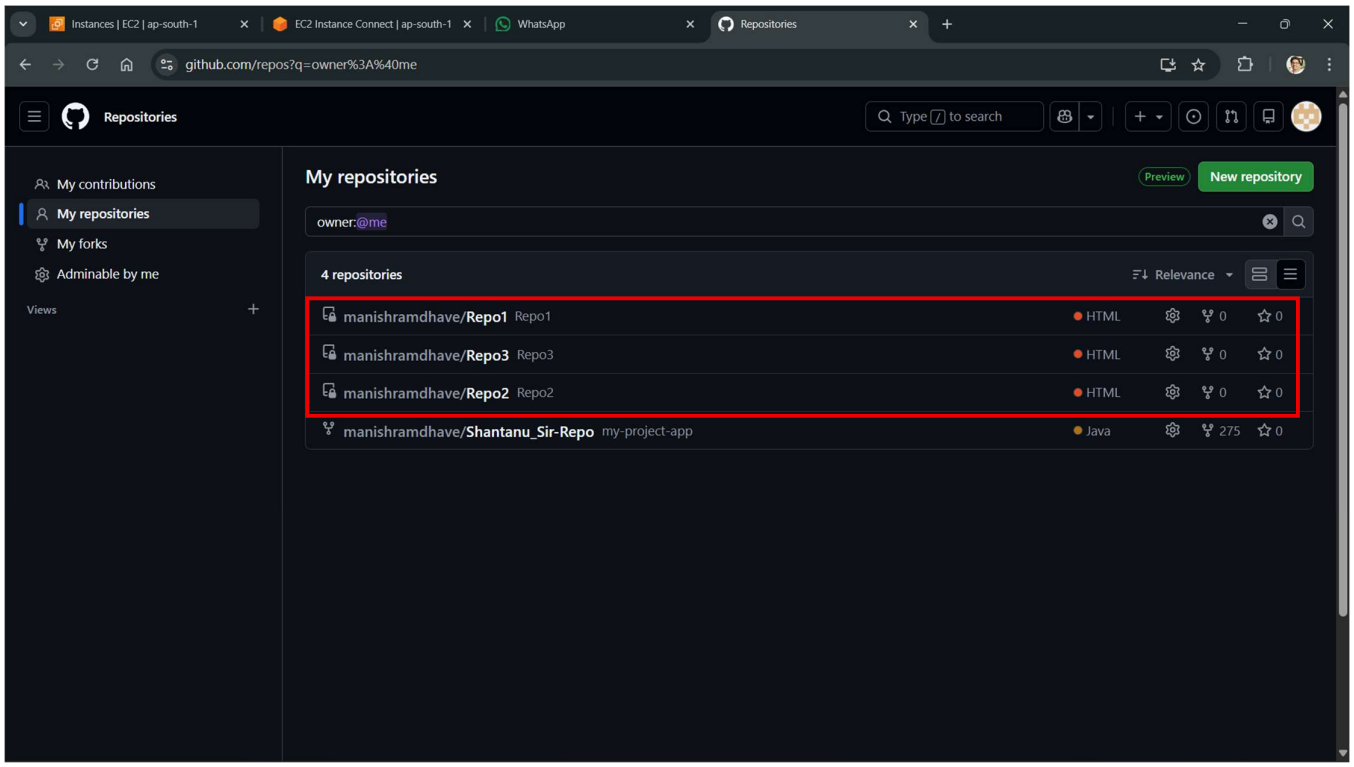
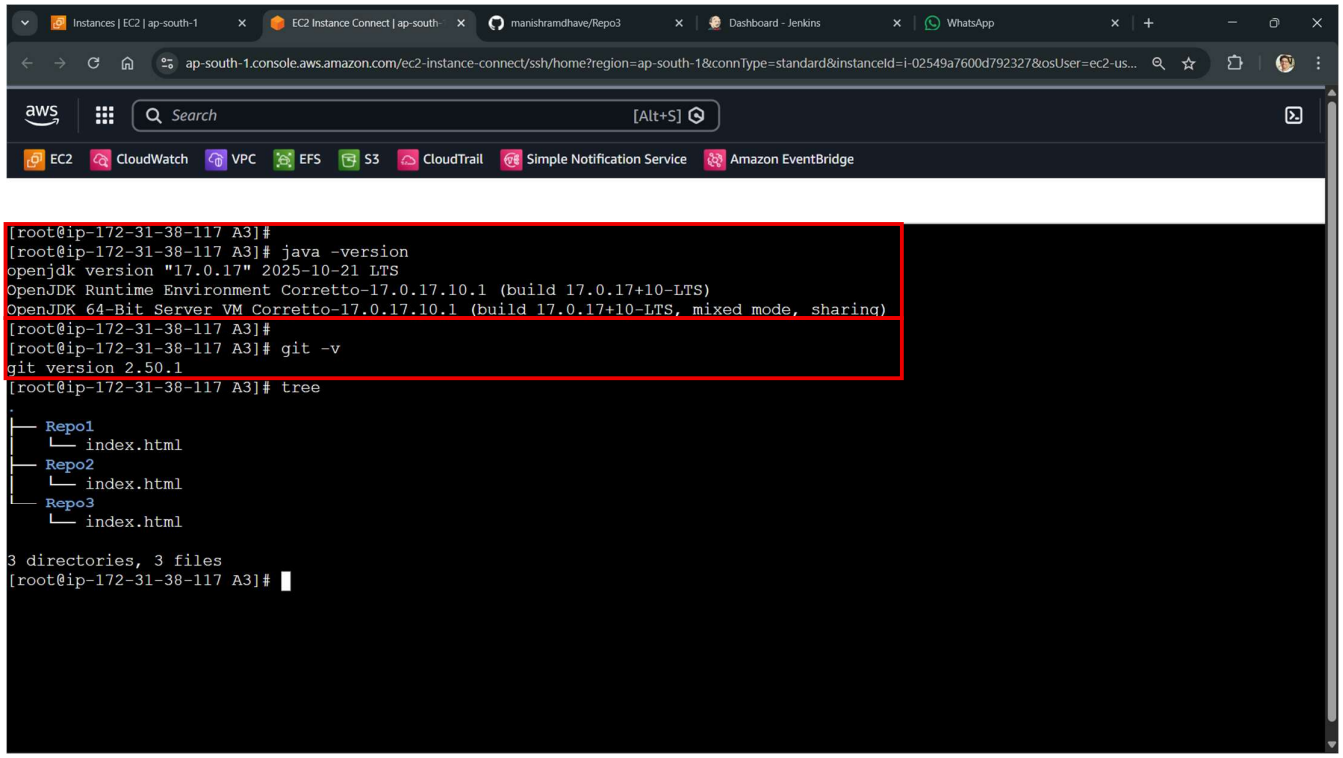
Jenkins Assignment 3

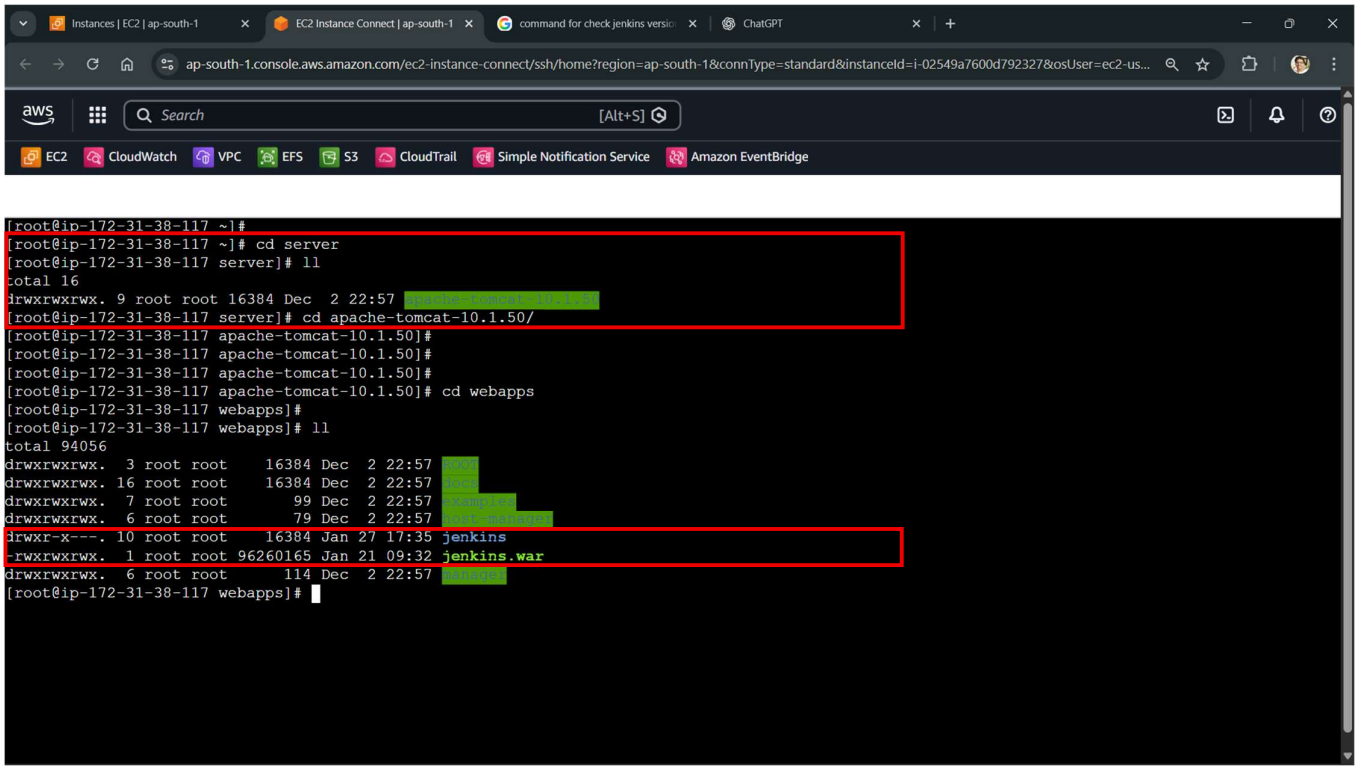
Step 1: Made three Private Repositories Repo1, Repo2 and Repo3 in GitHub account:



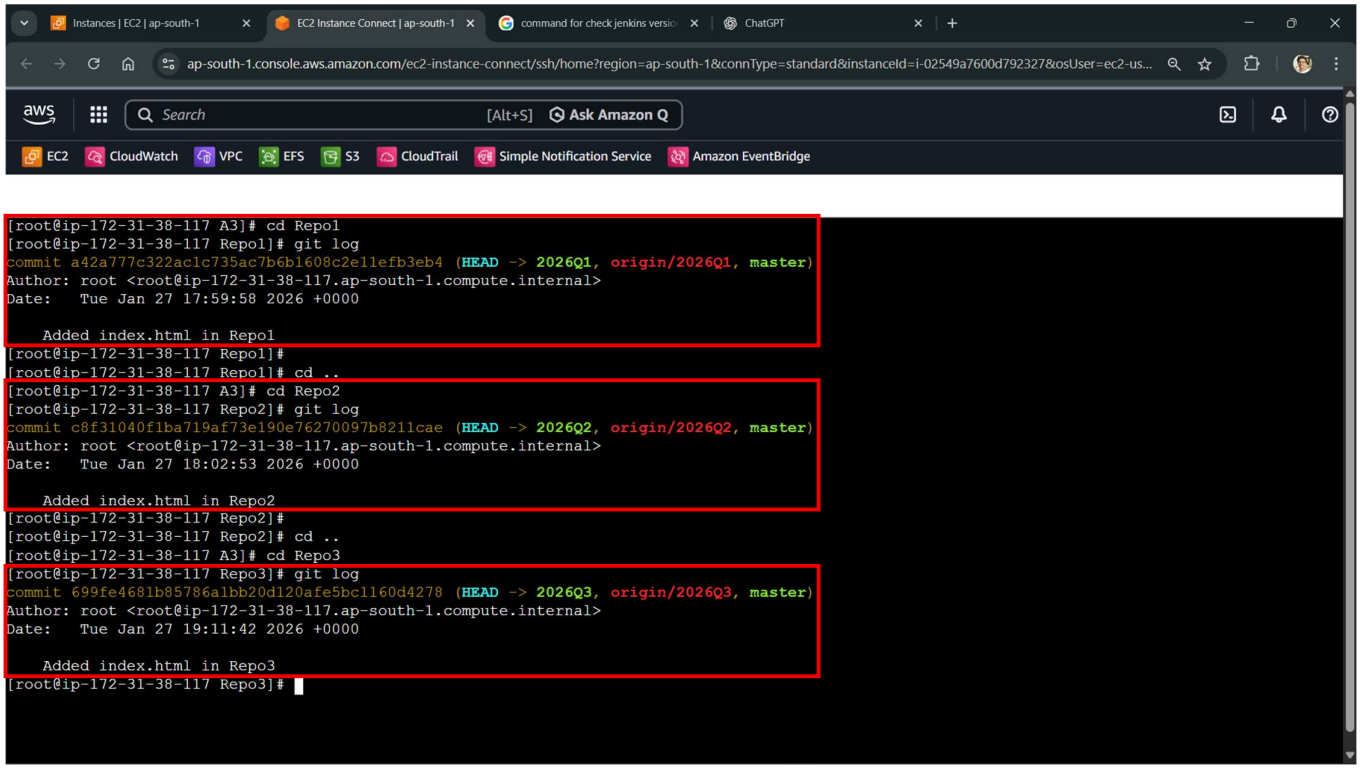
Step 2: Launched an instance and installed Java -17 and Git on it:



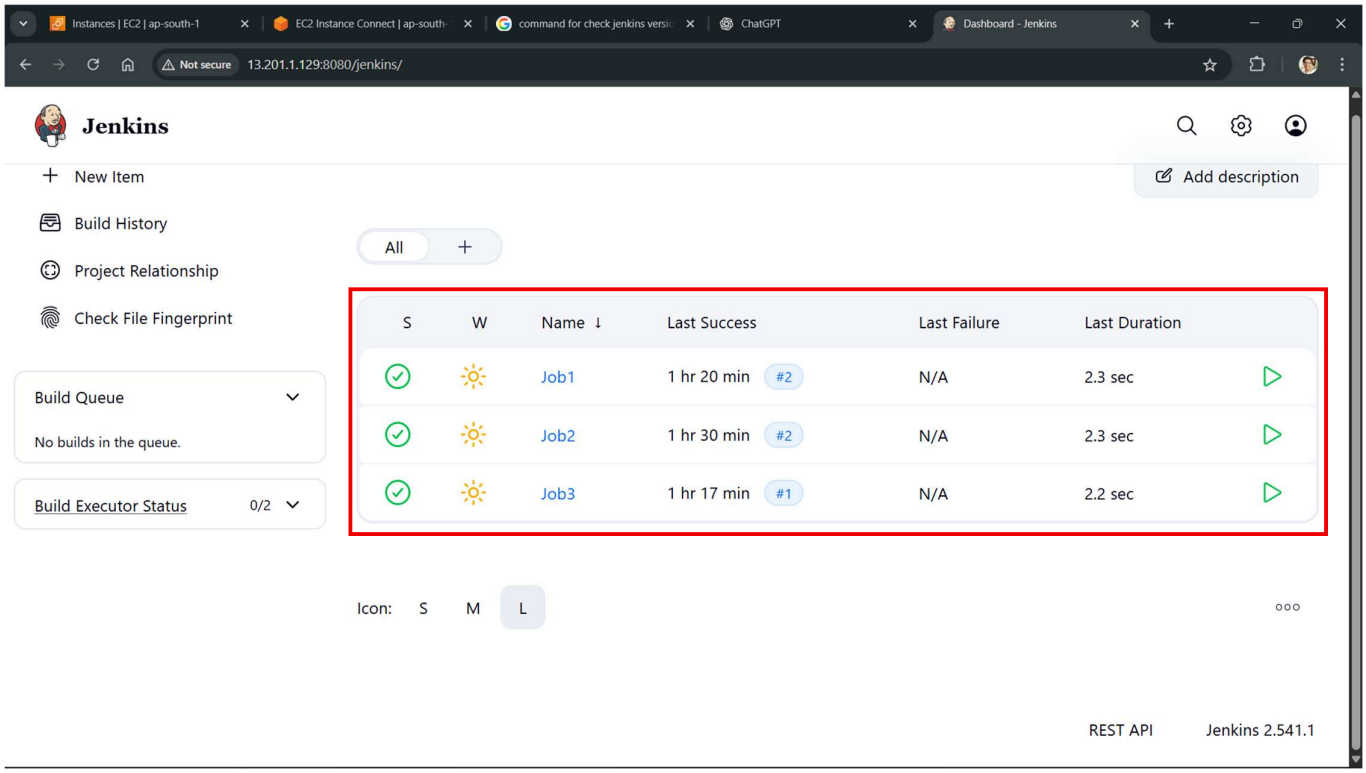
Step 3: Installed Apache-Tomcat-10 and Jenkins on the instance:



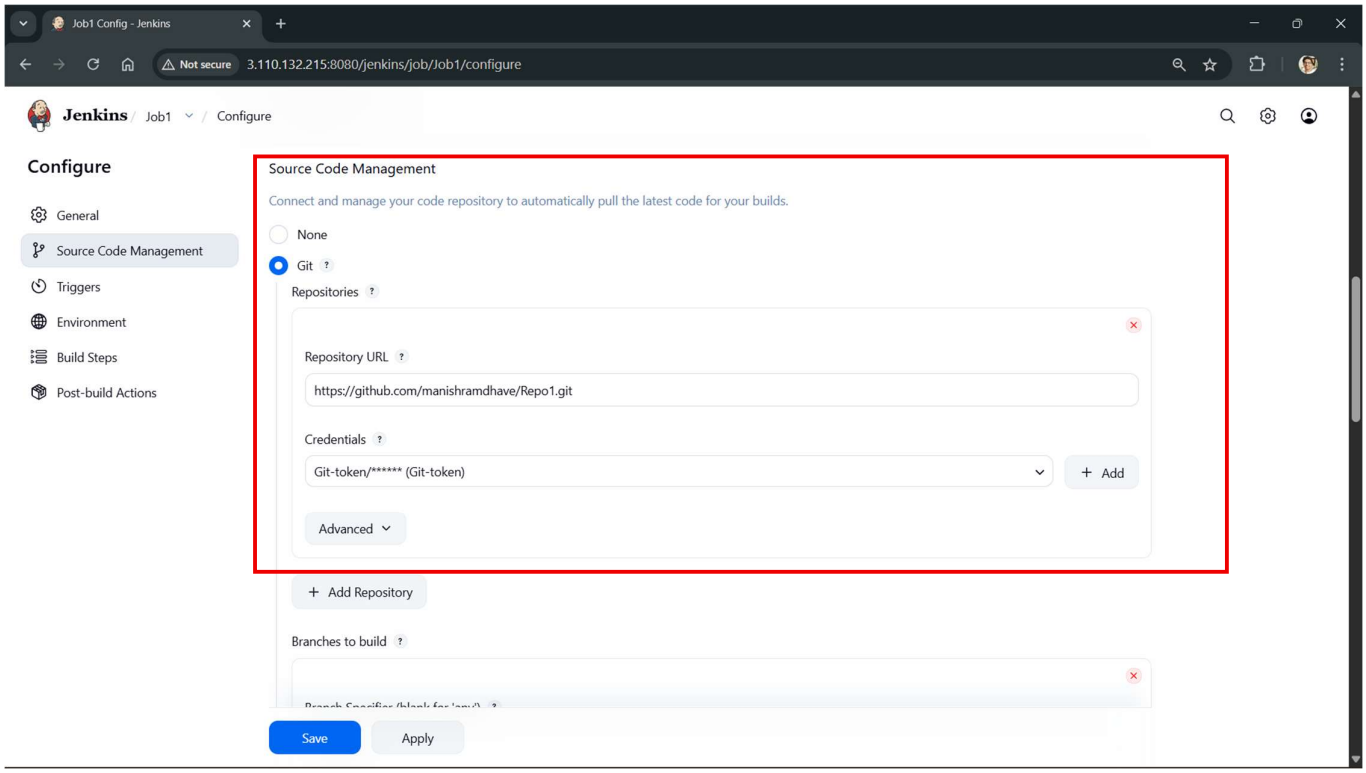
Step 4: Pushed three different index.html files using the branches 2026Q1, 2026Q2 and 2026Q3 respectively:



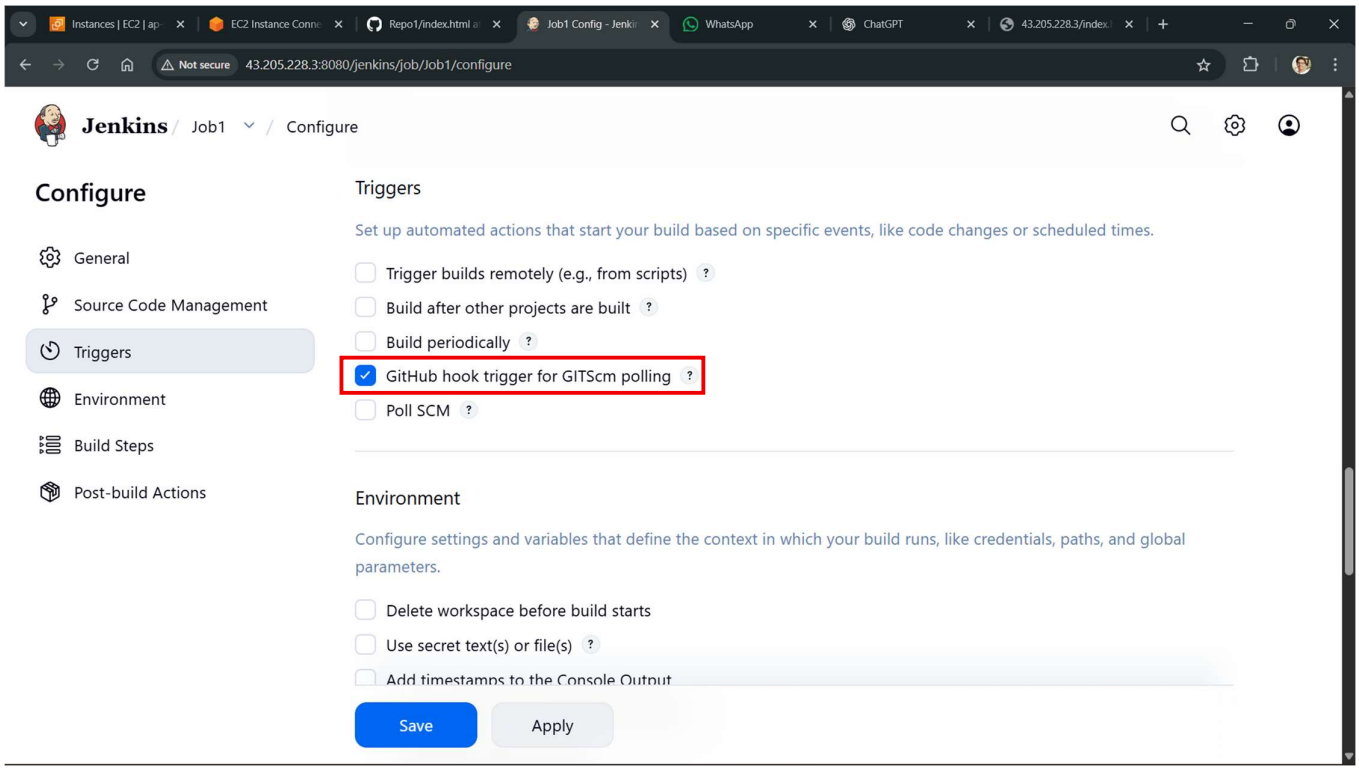
Step 5: Launched the Jenkins and created three different Jobs Job1, Job2 and Job3:



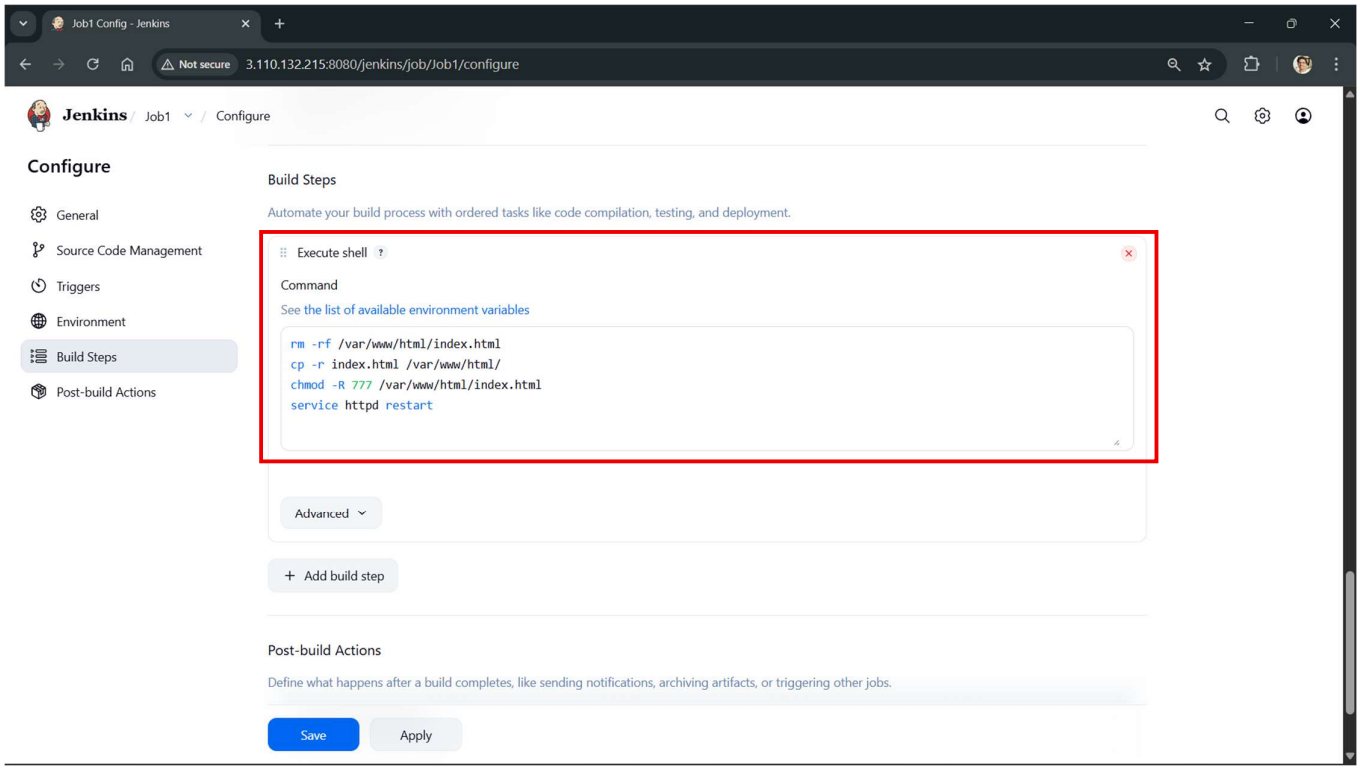
Step 6: Integrated Git with Jenkins by creating ‘Credentials’ by using the Git Token:



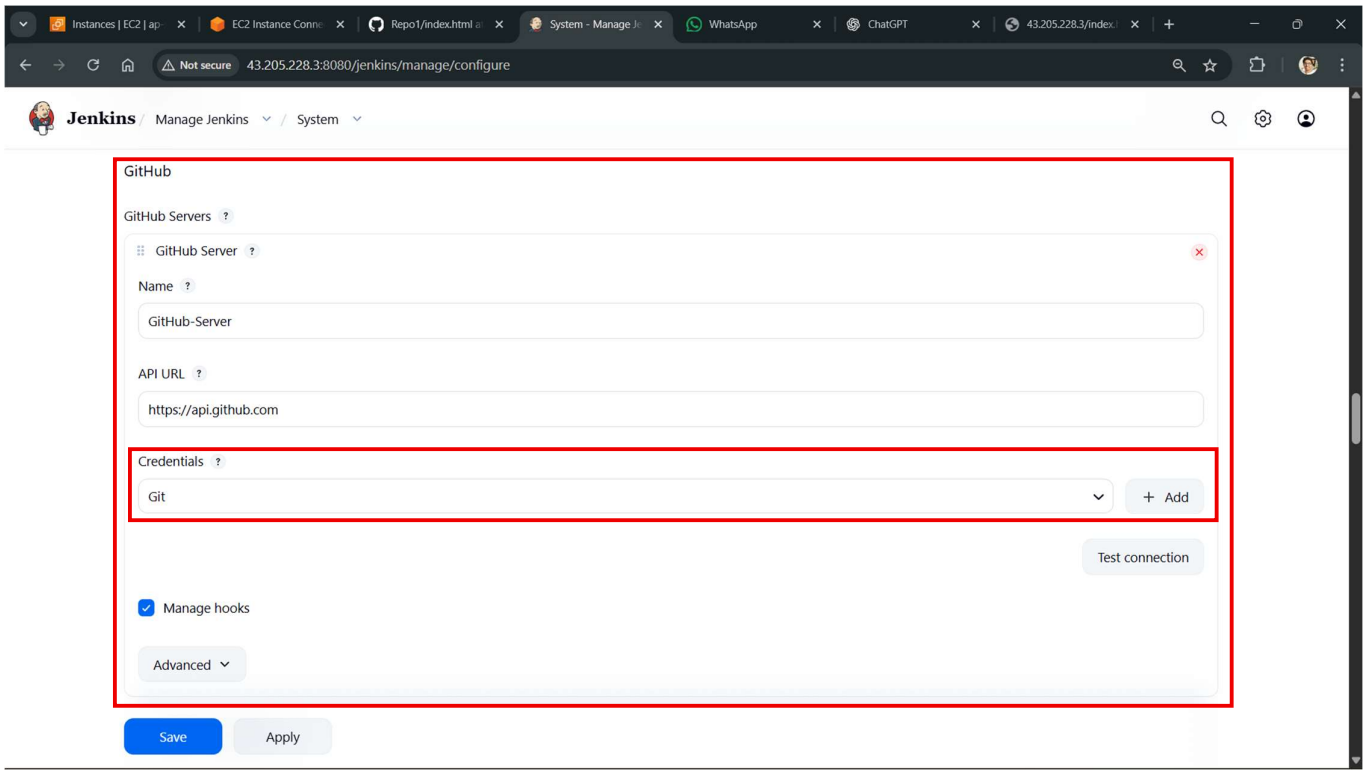
Step 7: Enabled ‘GitHub hook Trigger for GITScm polling’ while configuring all three Jenkins Jobs:



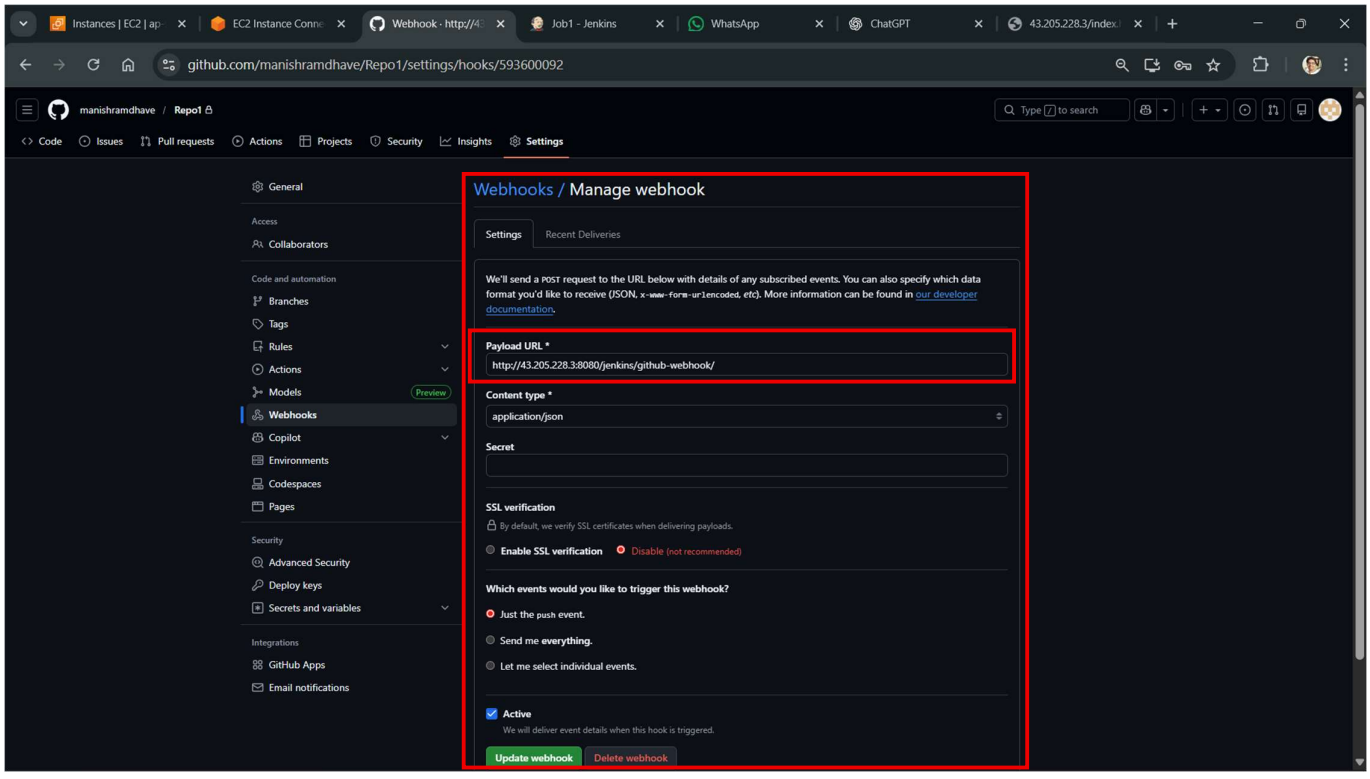
Step 8: Executed Shell Script Commands whenever a Build is done by the user:



Step 9: Created an API Connection between Jenkins to GitHub Repositories in ‘Manage Jenkins’ by creating a Secret Text (Credential) using a GitHub Token in Jenkins:

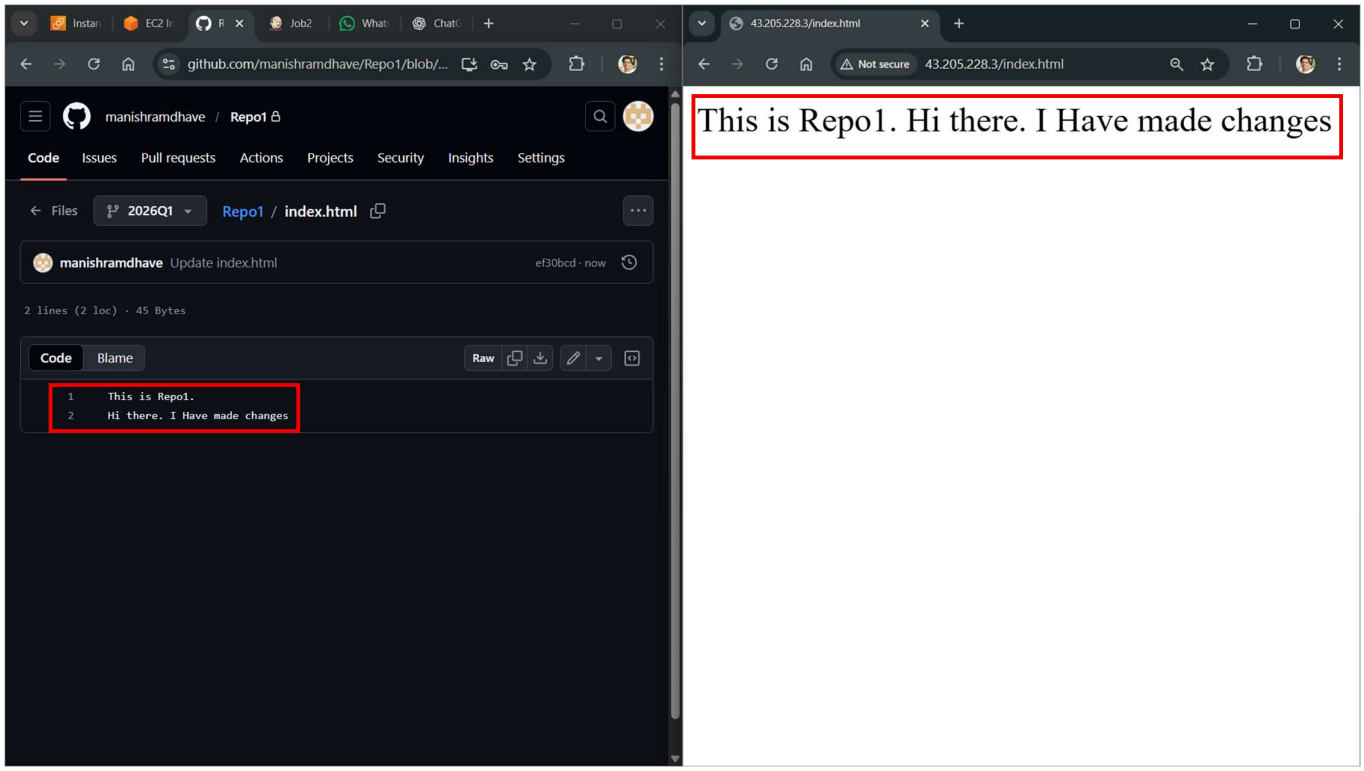


Step 10: Created an API Connection between Jenkins and every GitHub Repositories by using ‘Git Webhooks’ (i.e. setting up Jenkins URL in Git) :

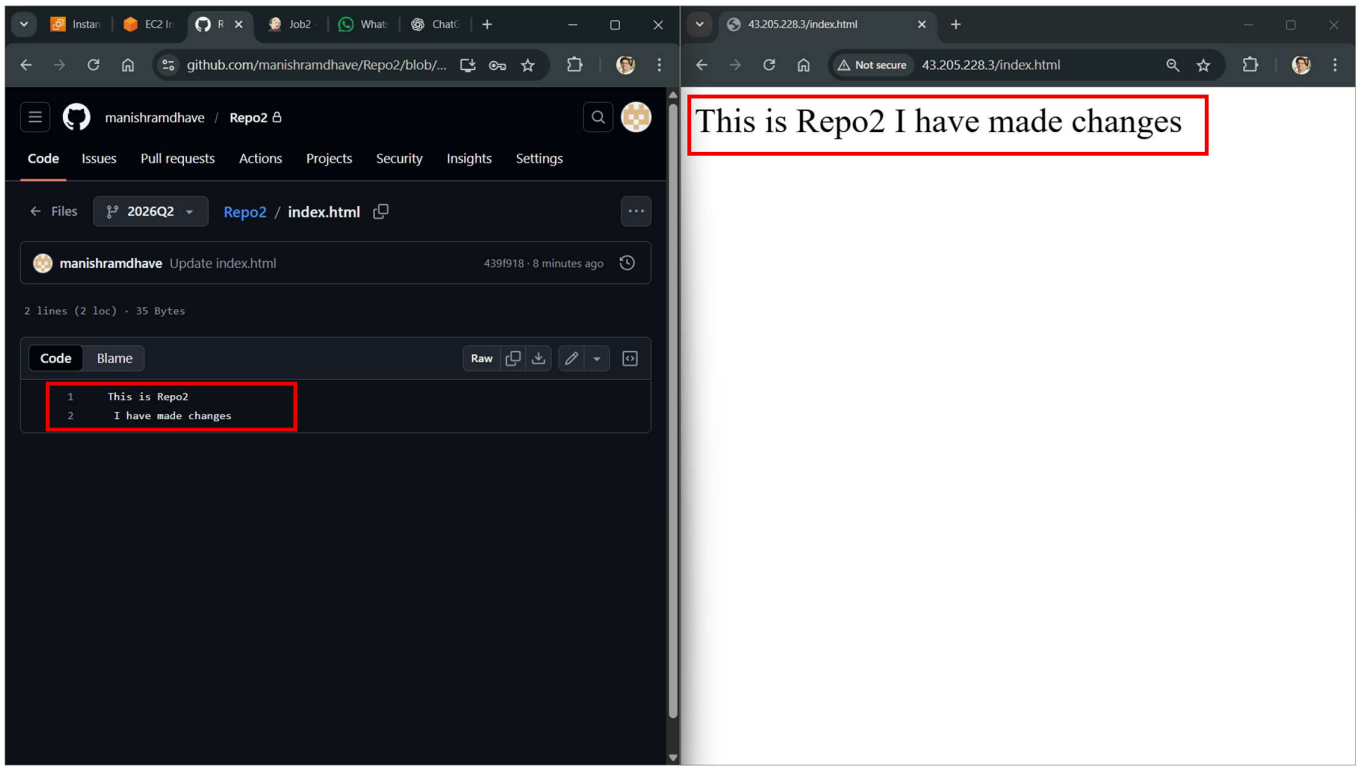


Result:

1. When changes are done in Gir Repo1, Build is triggered by Job1 and the index.html file is hosted which is available in Repo1:



2. When changes are done in Gir Repo2, Build is triggered by Job2 and the index.html file is hosted which is available in Repo2:



3. When changes are done in Gir Repo3, Build is triggered by Job3 and the index.html file is hosted which is available in Repo3: