**Steps for CI**

**Step1**:

Uploaded the sample code into GIT, and below is the URL:

<https://github.com/rojarani0927/Samplecode2021.git>

**Step2**:

Need to install JAVA, next we need to install Jenkins.

Install GIT client and Maven in Jenkins server

Install Tomcat and provide executable permission to Start and Stop Scripts.

Login to Tomcat server using <http://TomcatIP:8080/>

Login into the Jenkins using <http://jenkinsIP:8080>

Create Admin user and login into Jenkins.

**Step3**:

Create Jenkins jobs

**Job1**: Cloning and building

Go to configure: Under GIT, provide the GitHub URL and as it is public repository, no need for providing credentials.

Go to Build step: Select Invoke top level maven targets

Under Goals: Clean package

Under post-build actions: Archive the artifacts: select the type of files (ex: if it is Java code, the build will result with .war or .jar file)

Under Build other projects: Mention the next job to be executed (downstream job) Job2

Select Trigger only if build is stable

**Job2**: Deploying into Tomcat server:

Under Build section: Select copy artefacts from another project

And provide the path of the war file under artifacts to copy.

Under post-build actions: provide the war file path

And provide tomcat server credentials and its URL.

Apply and Save it.

Click on Build, it will clone from GIT and build using Maven and deploy it into Tomcat server.

Check the logs while build gets executed.

Click on the Tomcat URL for login page.