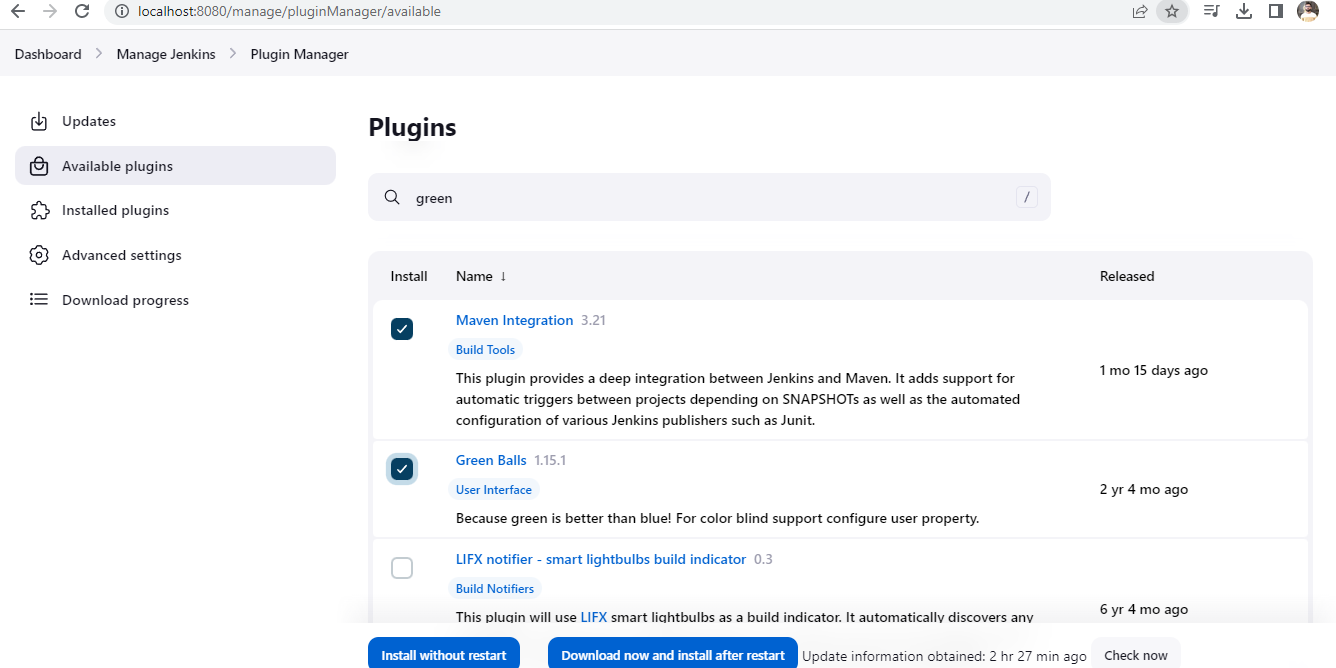
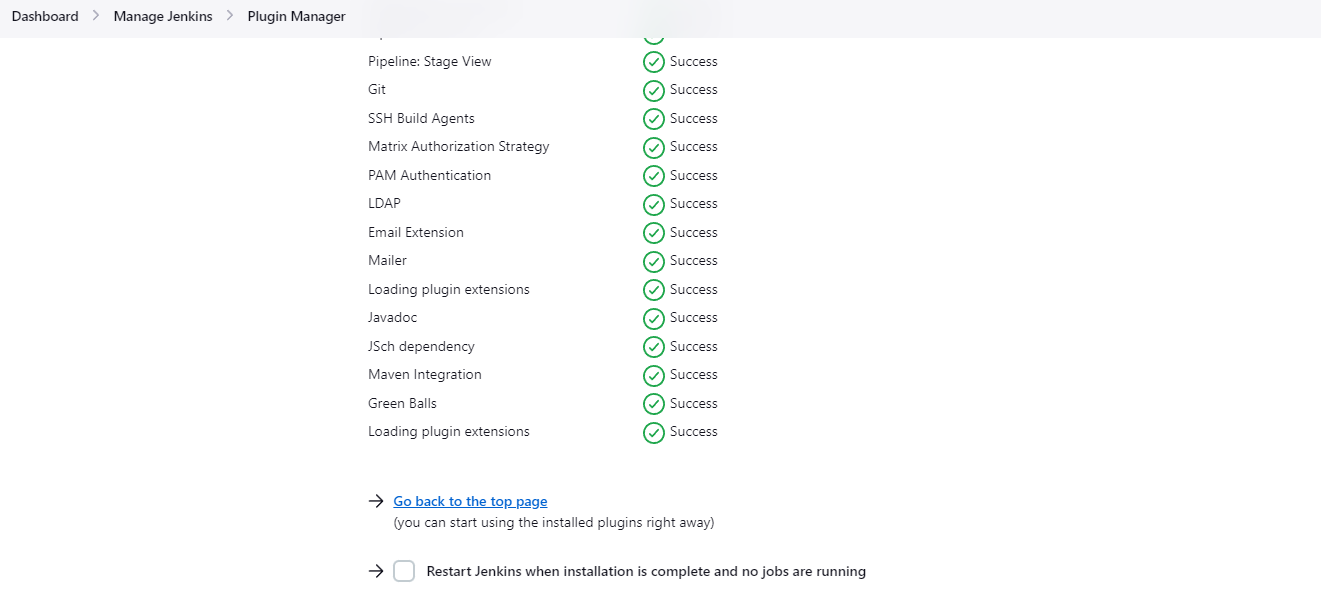
**Aim**: - CI/CD Pipeline Project, Maven Job, Schedule project and source code polling in Jenkins.

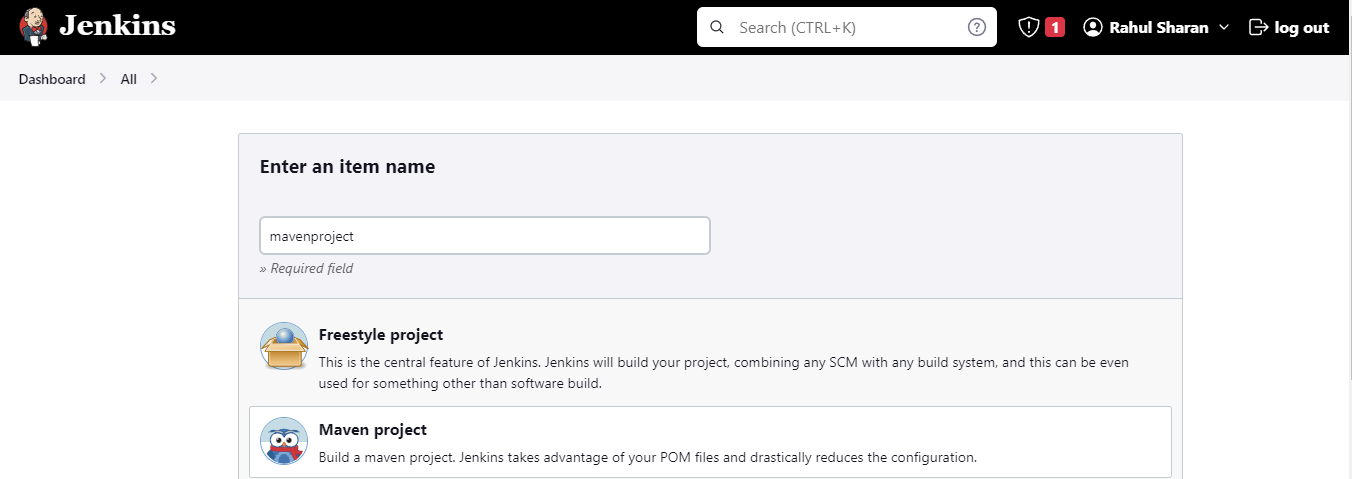
To add Maven Plugin in Jenkins site:

Dashboard>Manage Jenkins>Manage Plugins>Available plugins: Maven integration and green ball>Install without restart.



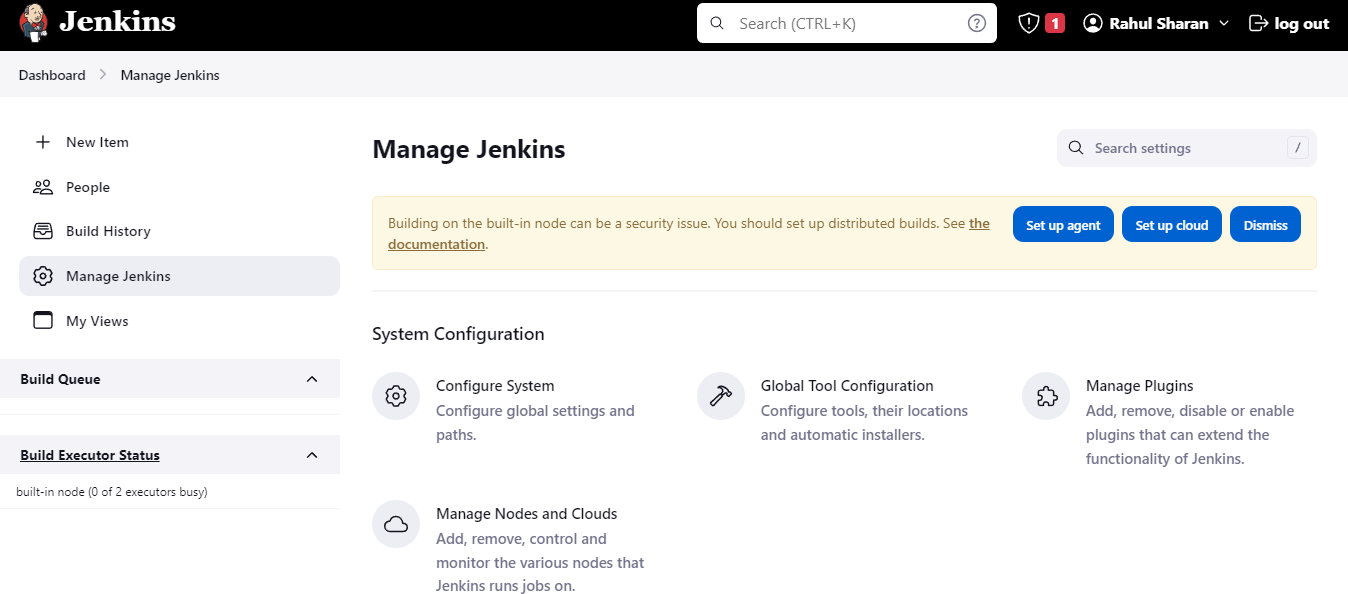
To check the maven plugins:

Dashborad>+ new item>Showing the Maven project option

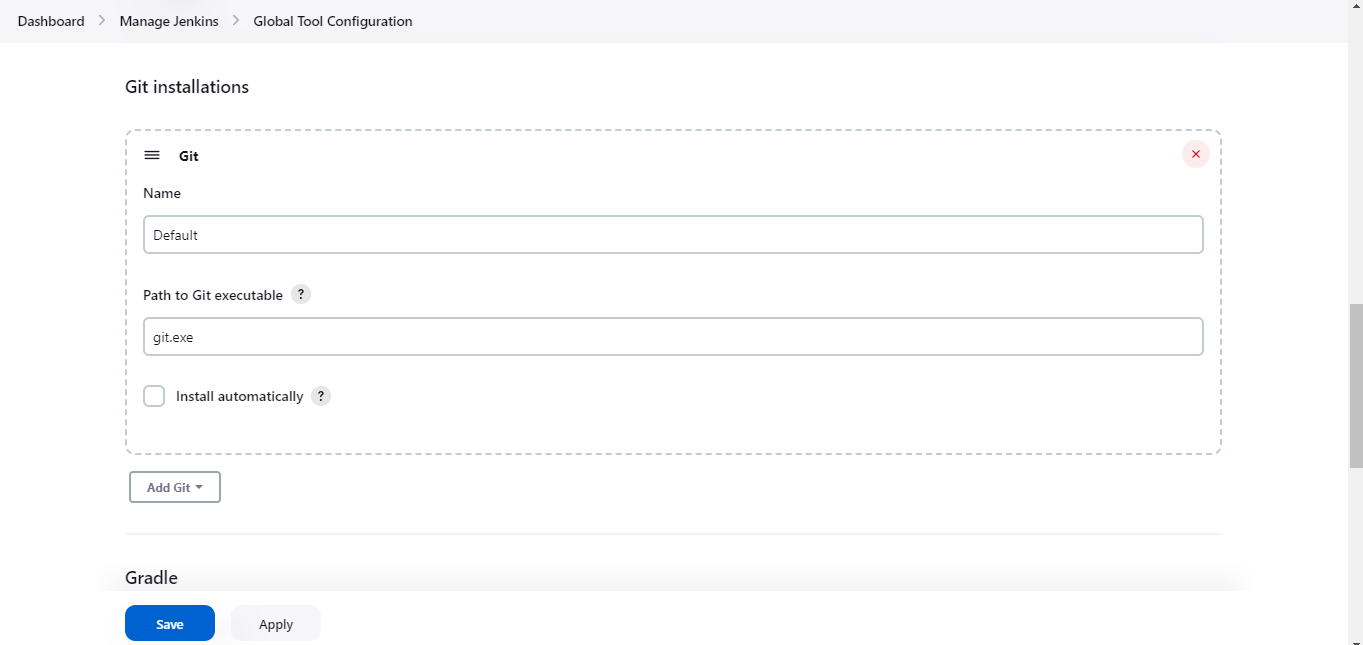


To configure the global tools like: git java and maven:

Dashboard>Manage Jenkins>Global tool configuration



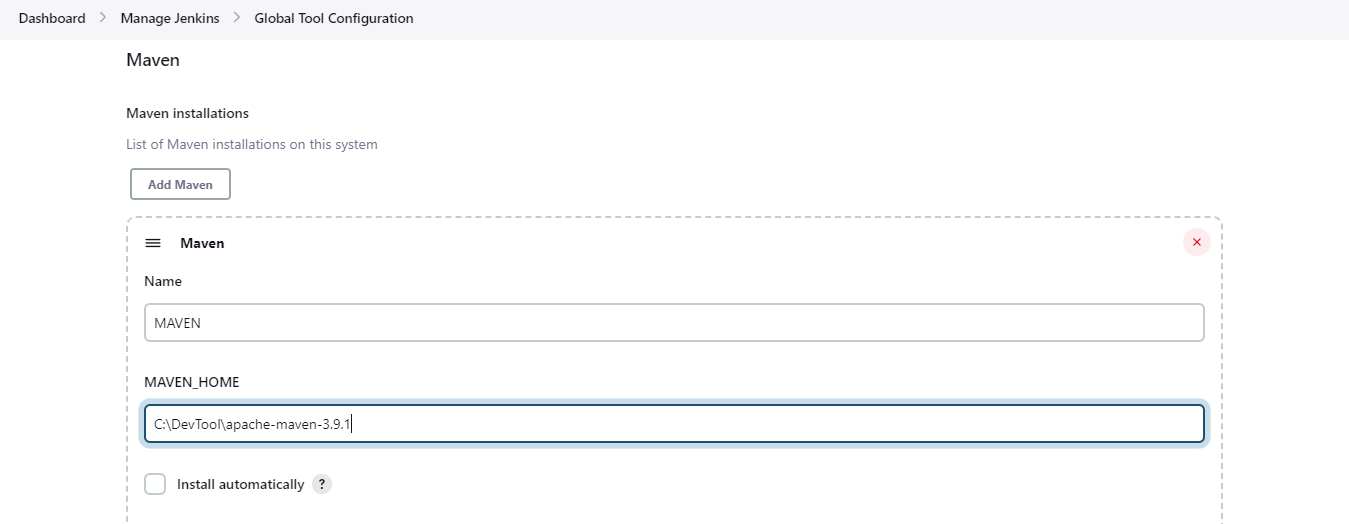
GIT configuration: Selected default



Java path configuration:



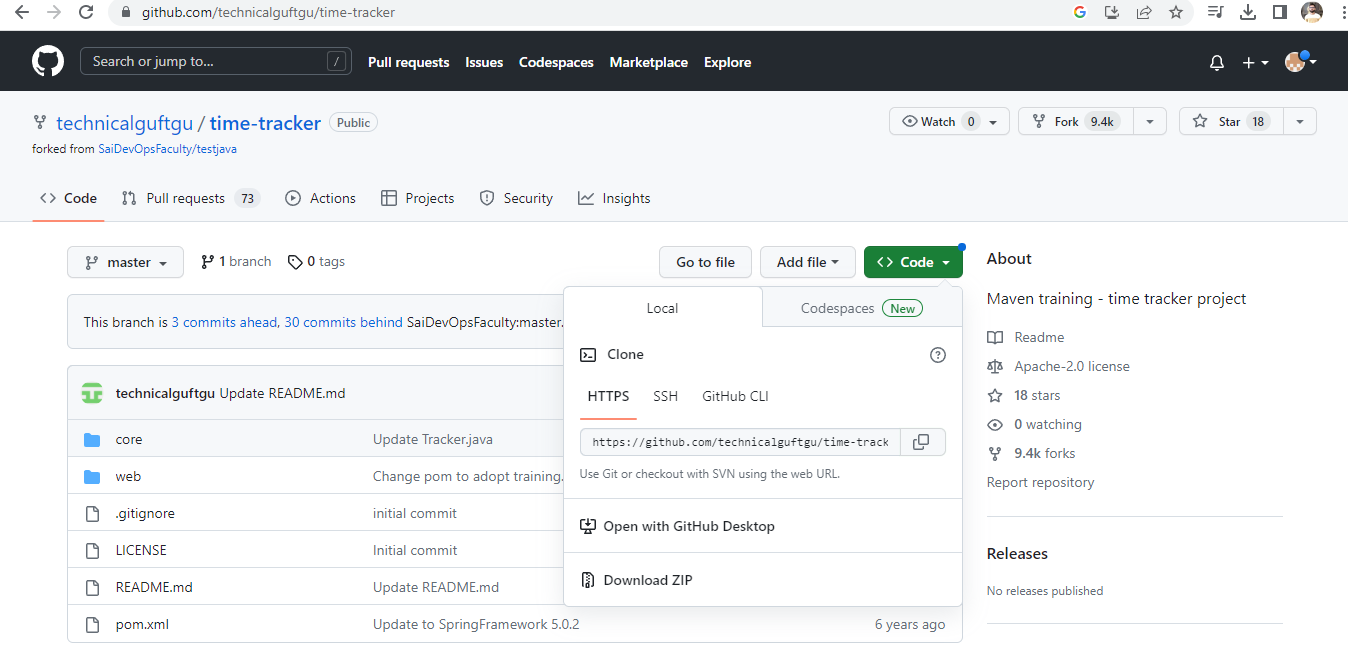
Maven path configuration:



To create a Maven project: time tracker project by using CMD

Copy the code from GitHub:

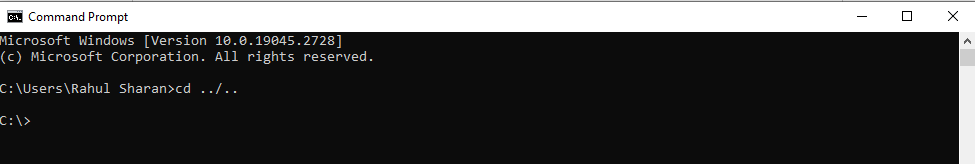
<https://github.com/technicalguftgu/time-tracker.git>



Open the command prompt cmd on windows:

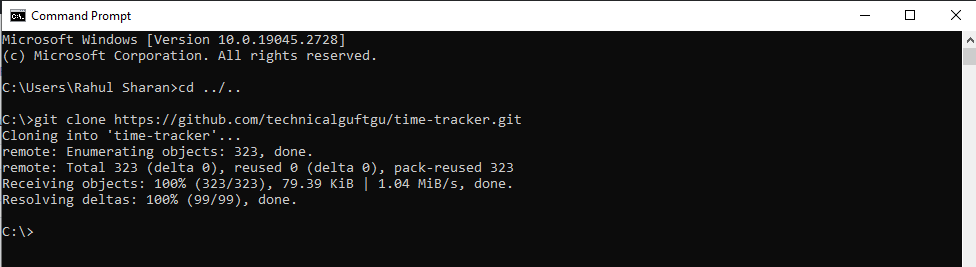
Go to home directory using following command:

>cd ../..



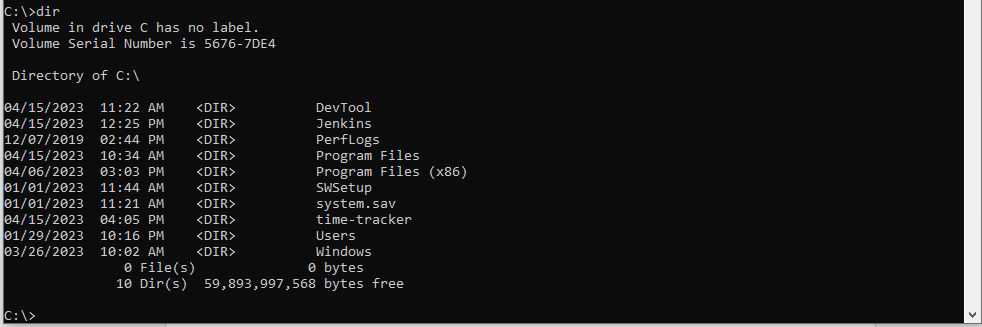
To git clone into time tracker by using the GitHub code:

>git clone <https://github.com/technicalguftgu/time-tracker.git>



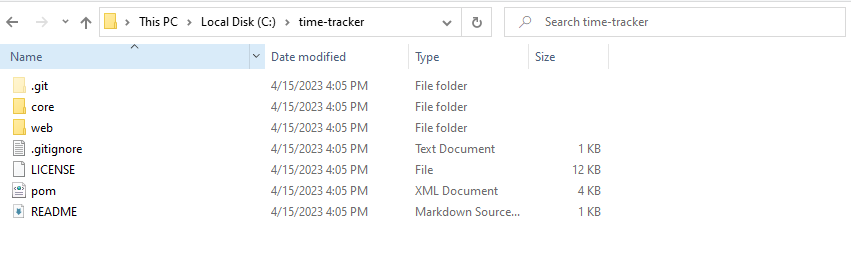
To check the time tracker code using following command:

>dir



To check the time tracker by using GUI:

C:\time-tracker



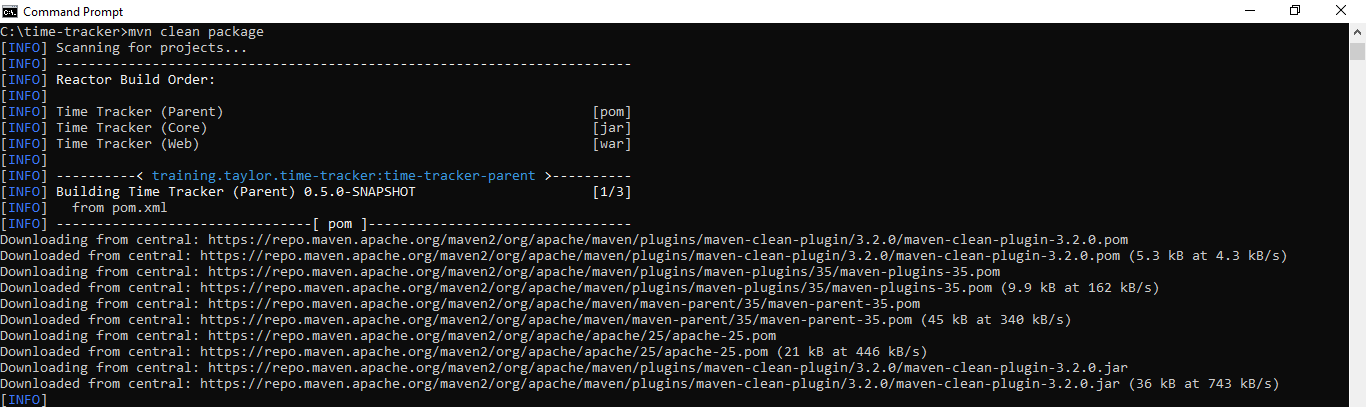
To change the directory by using the following command:

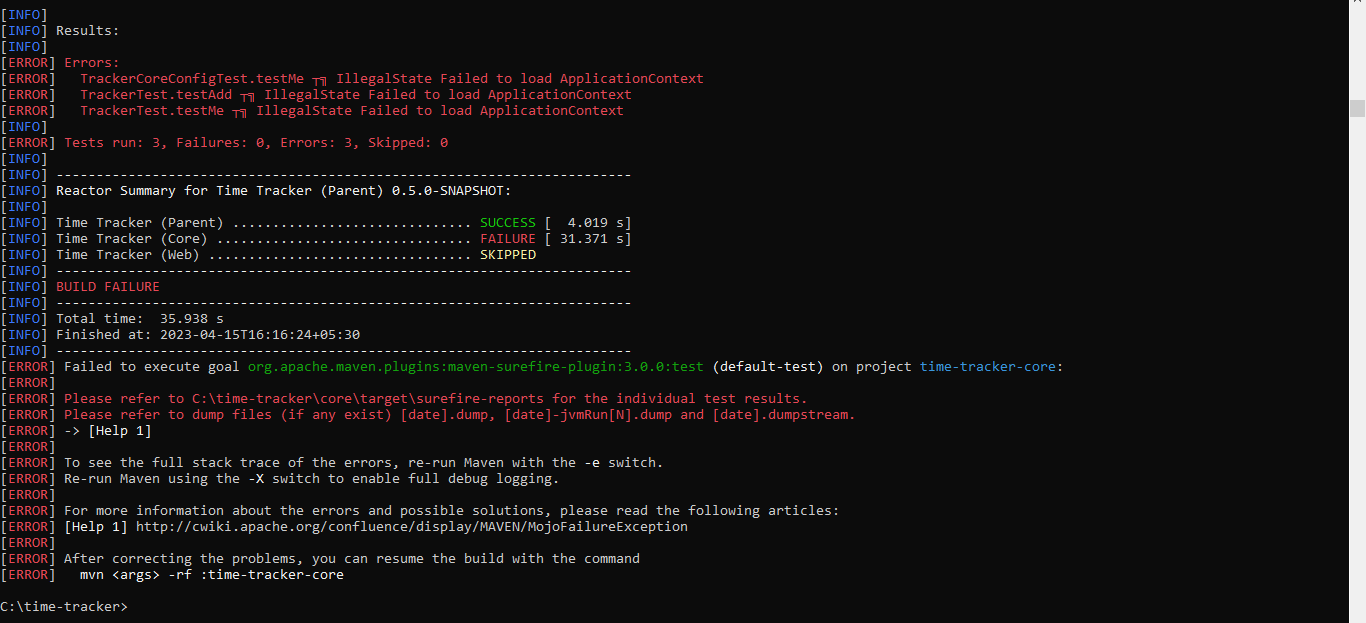
>cd time-tracker



To build the code, Code convert into machine language by using the following command:

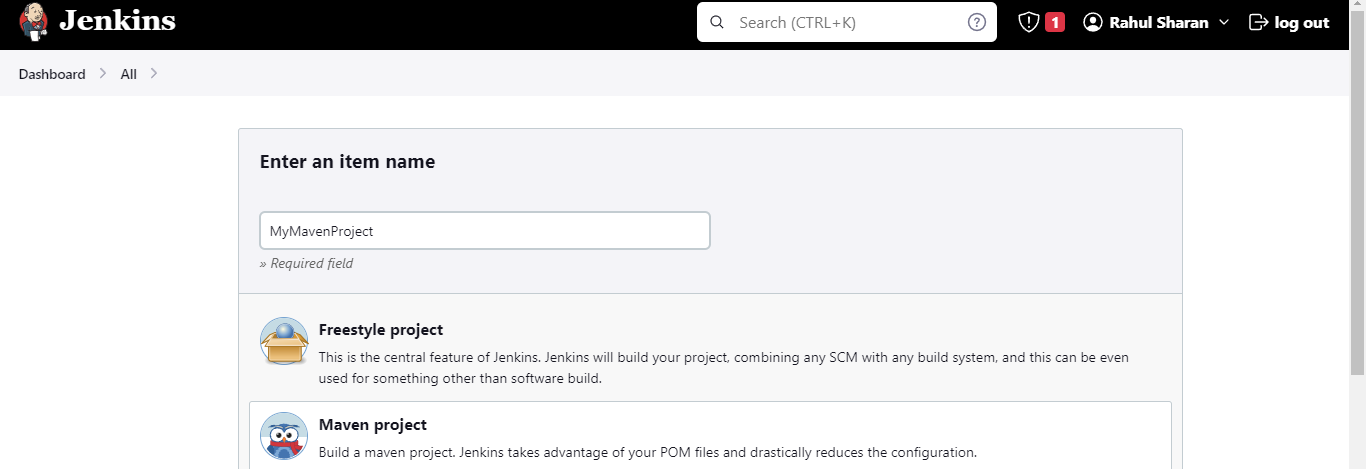
>mvn clean package





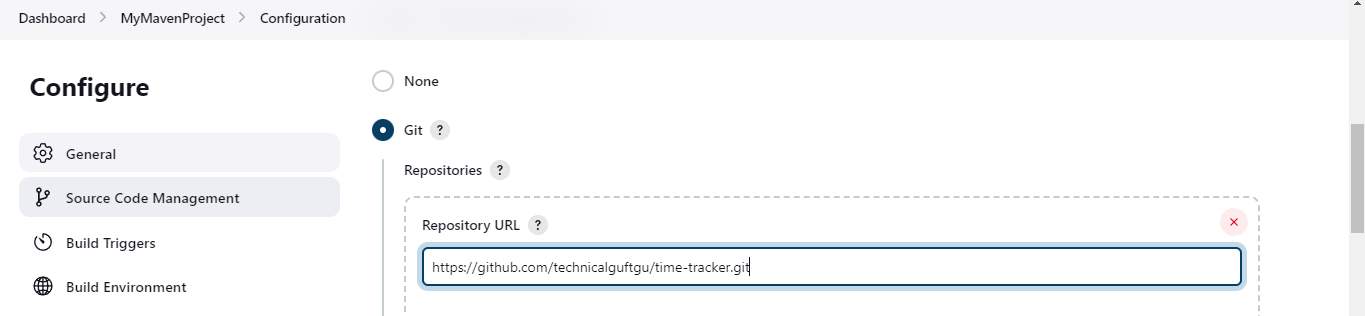
To create a Maven project: time tracker project by using Jenkins:

Go to Jenkins>+new items: name: MyMavenProject>MavenProject>Ok



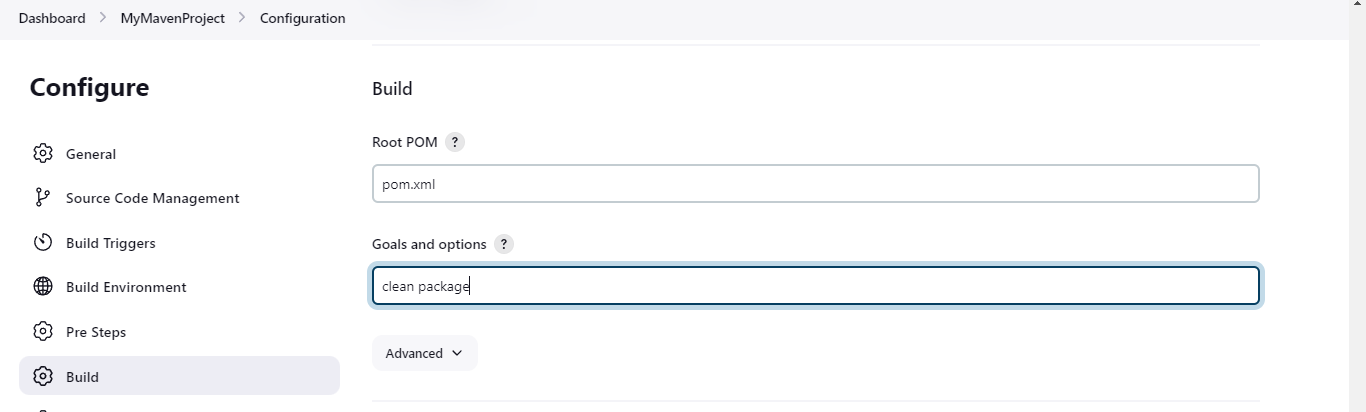
Source code management: Git

URL: https://github.com/technicalguftgu/time-tracker.git

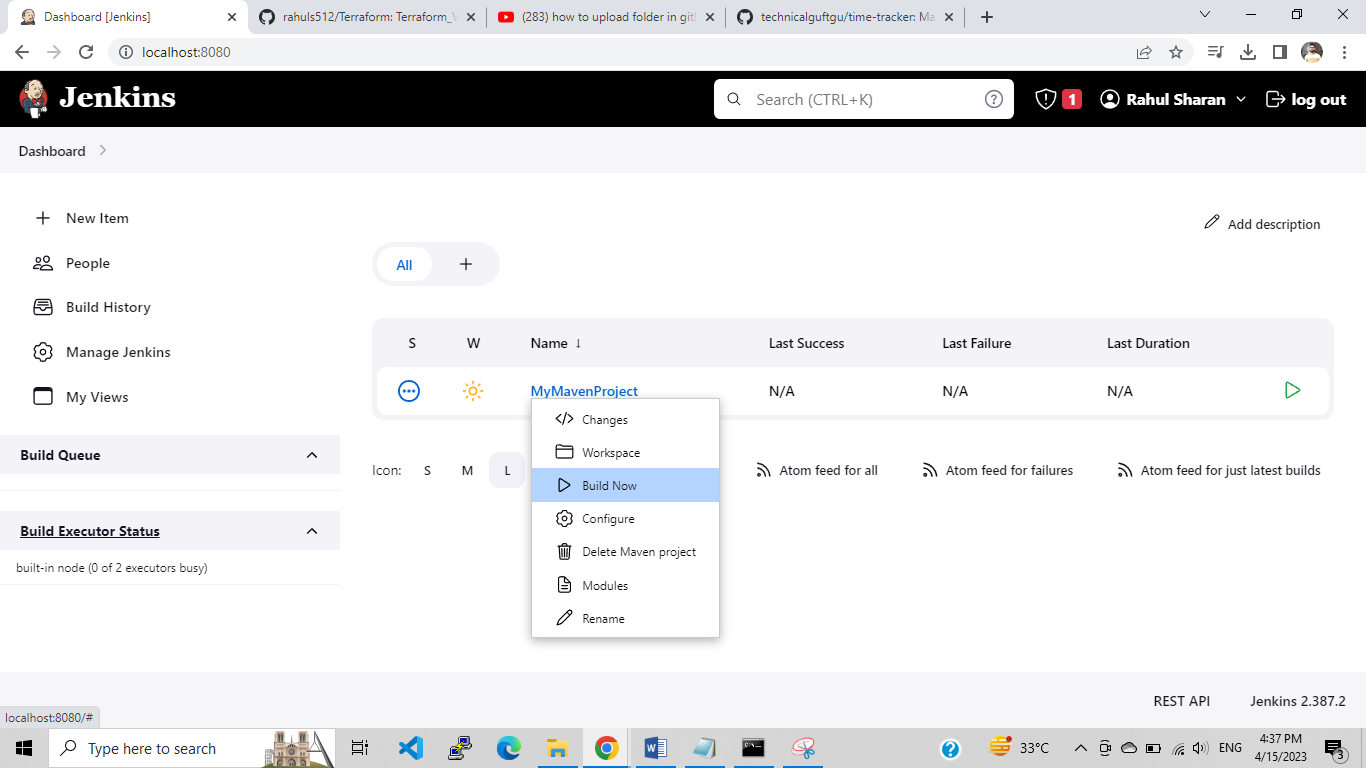


Build Configuration

Goal and options: clear package >apply and save



Go to dashboard and right click on MyMavenProject and click on build now:

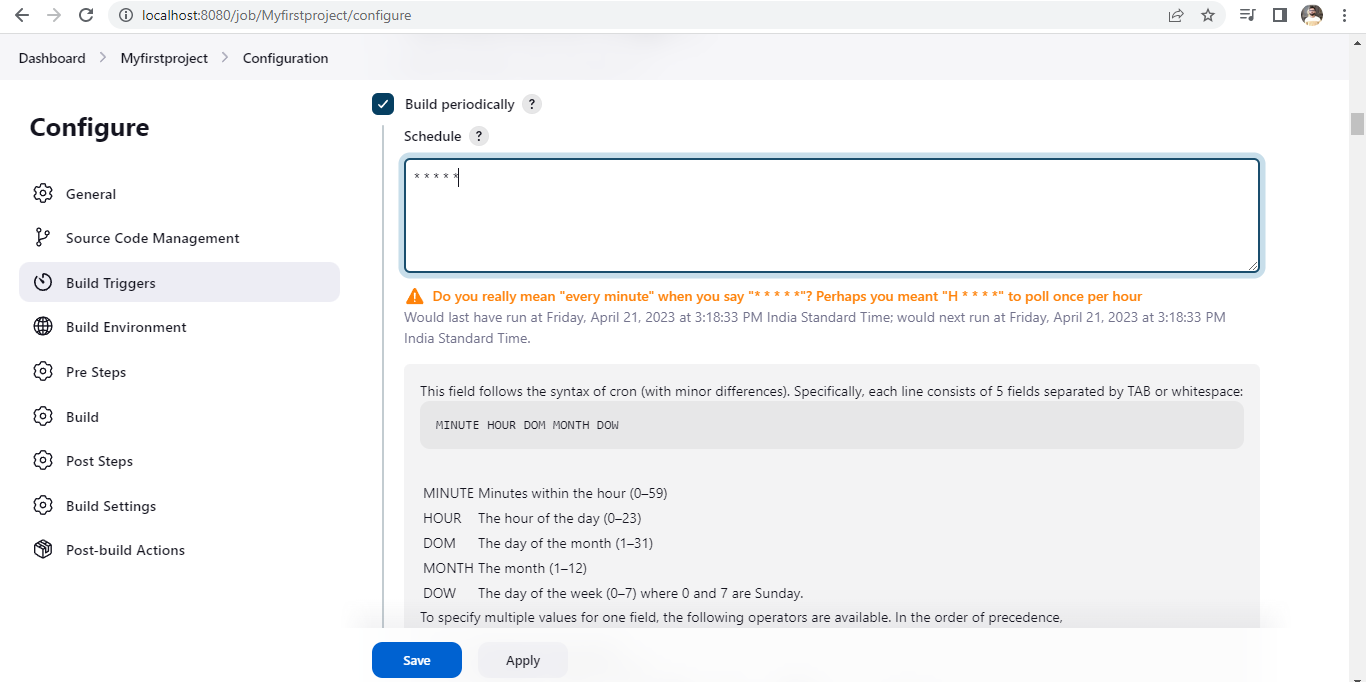


Schedule project and source code polling (SCM) in Jenkins:

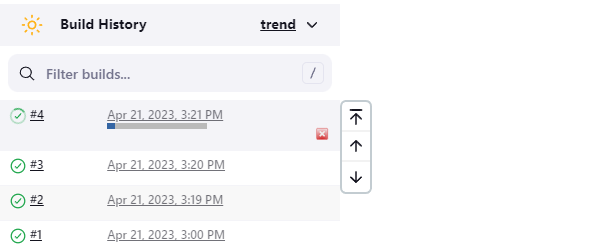
Schedule project using Build periodically:

Jenkins>Dashboard>Right click on myfirstproject>Configure> Build Triggers: Build periodically

Schedule: \* \* \* \* \*



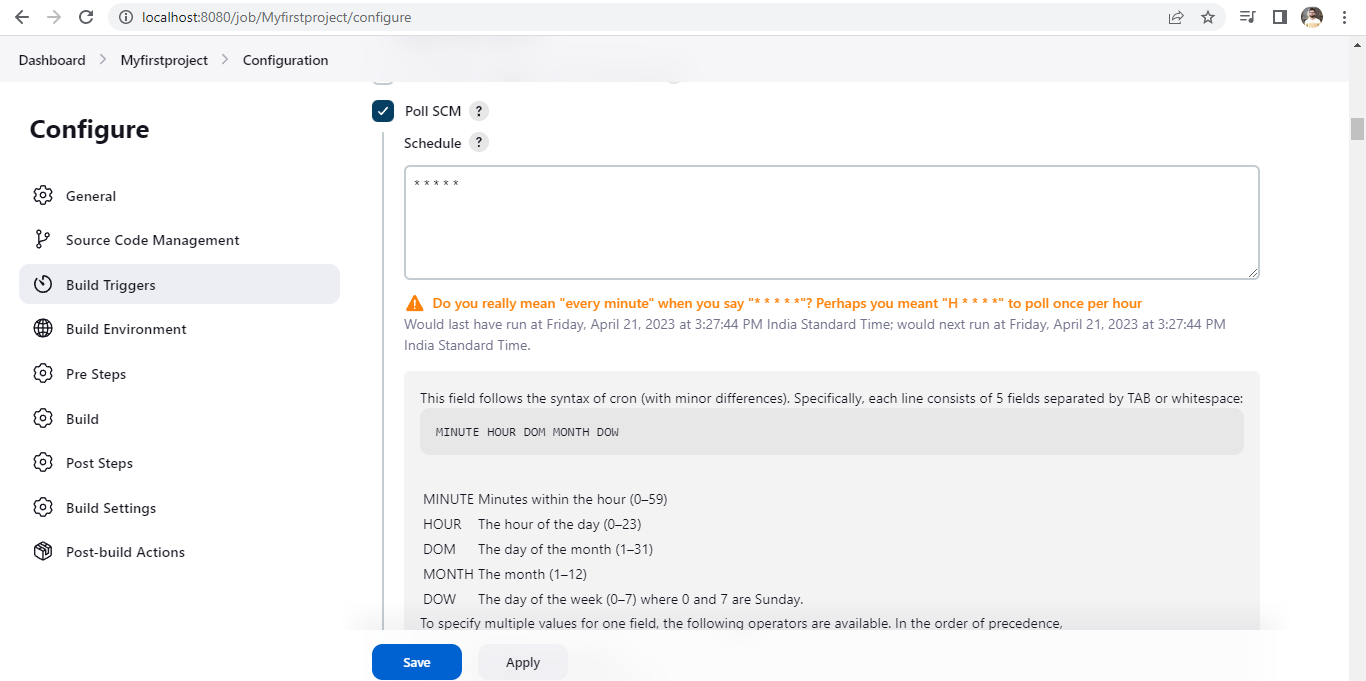
Check the status of project build after 1mint:



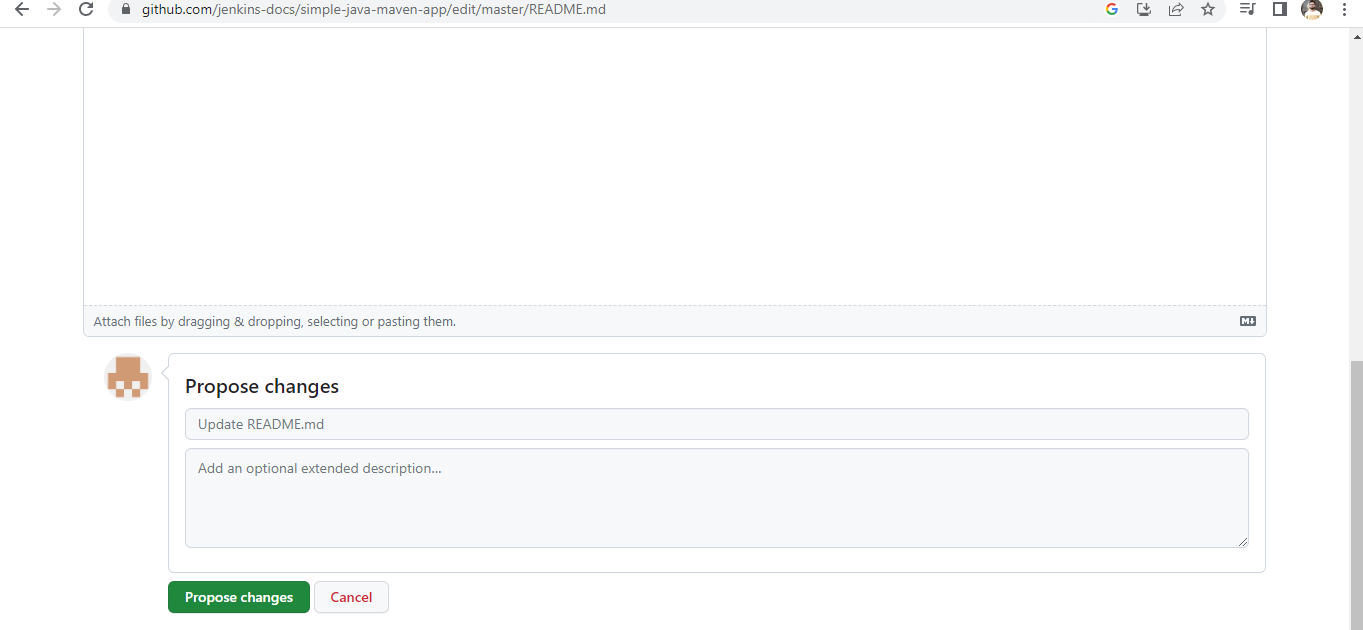
Schedule project using the source code polling (SCM):

Jenkins>Dashboard>Right click on myfirstproject>Configure> Poll SCM:

Schedule: \* \* \* \* \*



Go to source code and edit the code:



After change edit code, check the status of project build:

