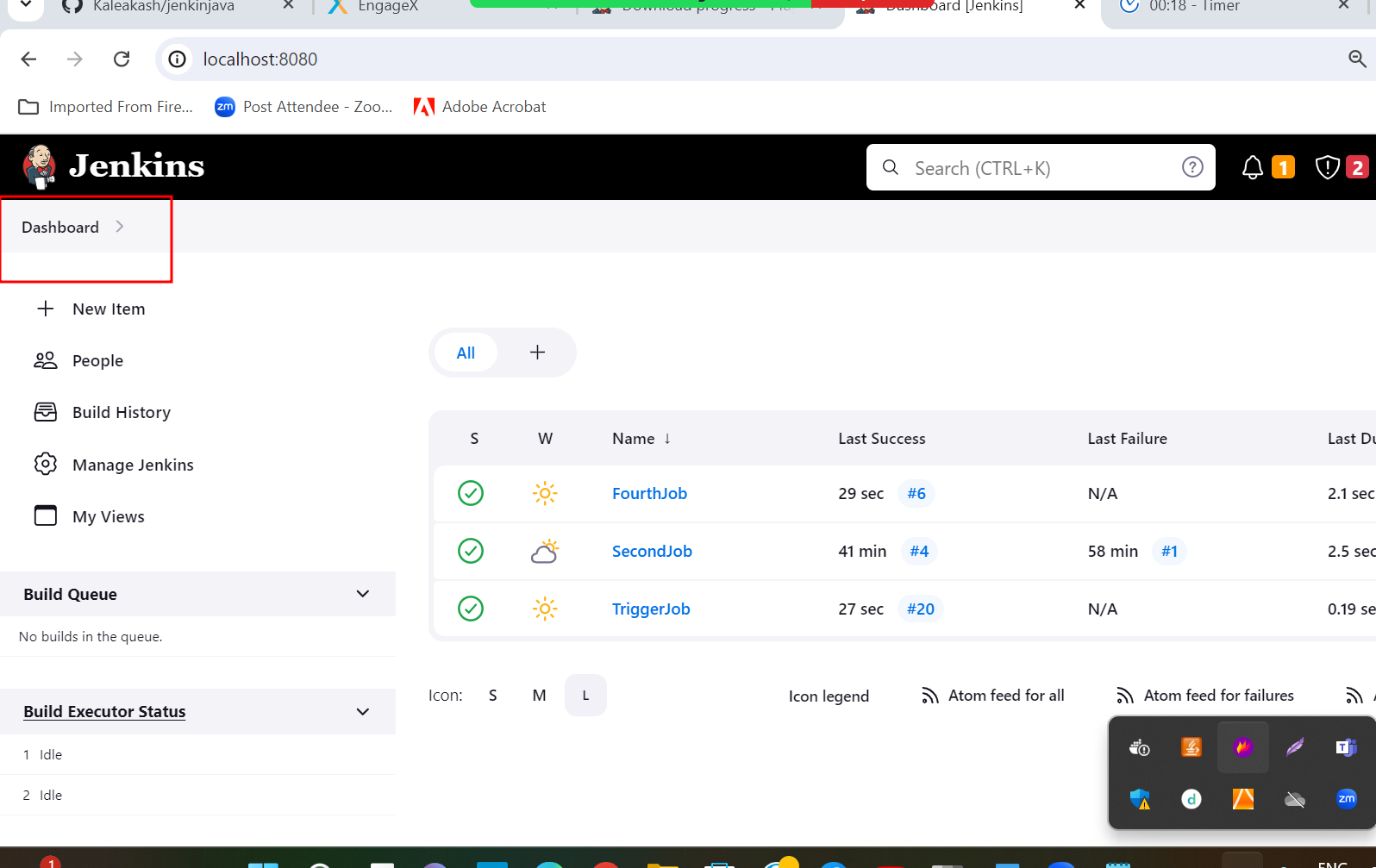
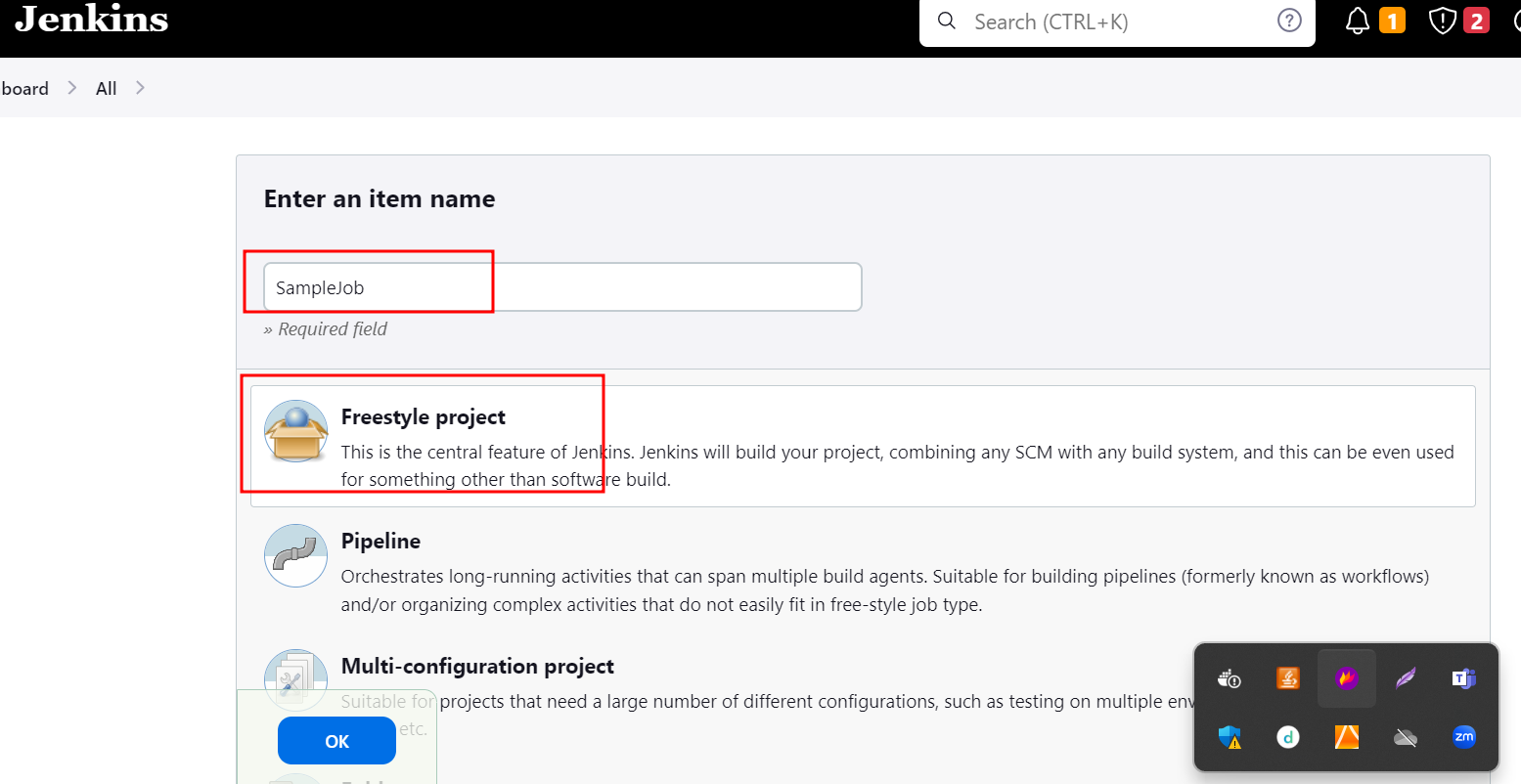
16 July – 2024

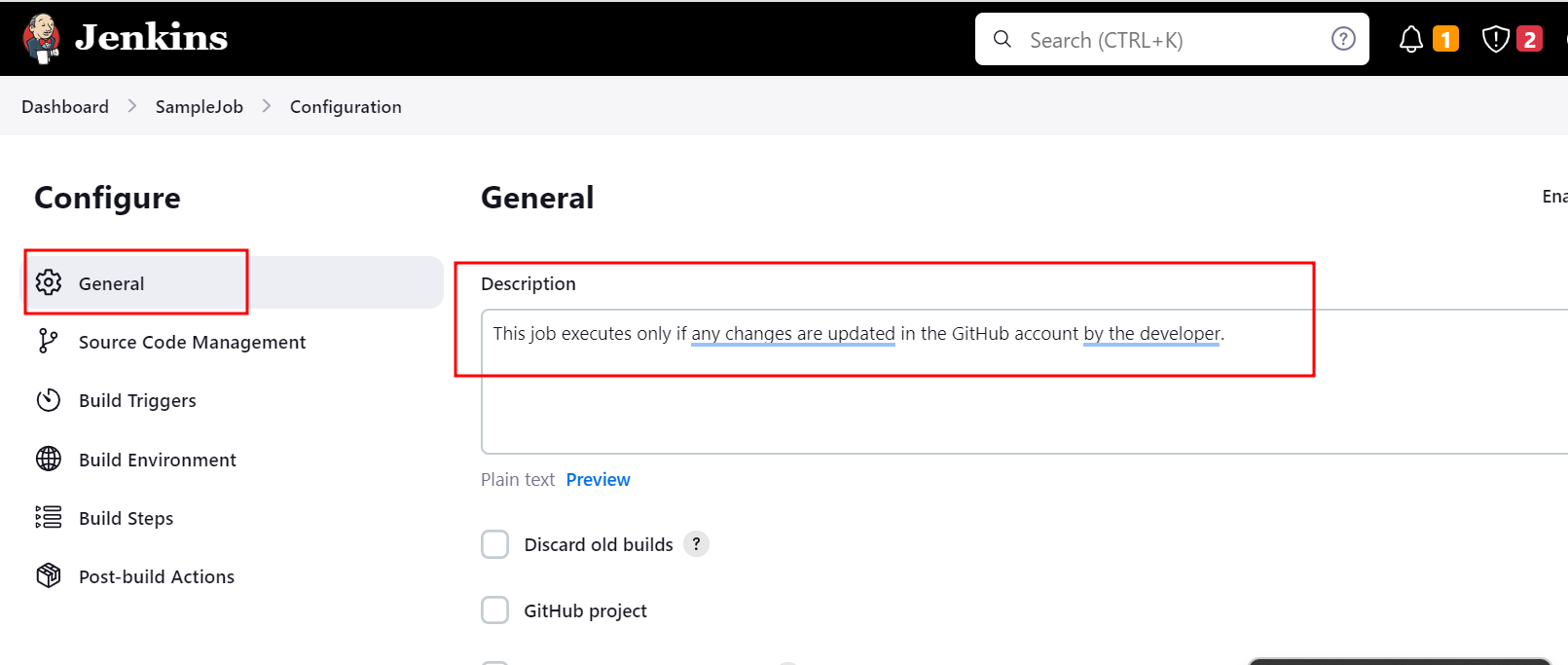
Day 5

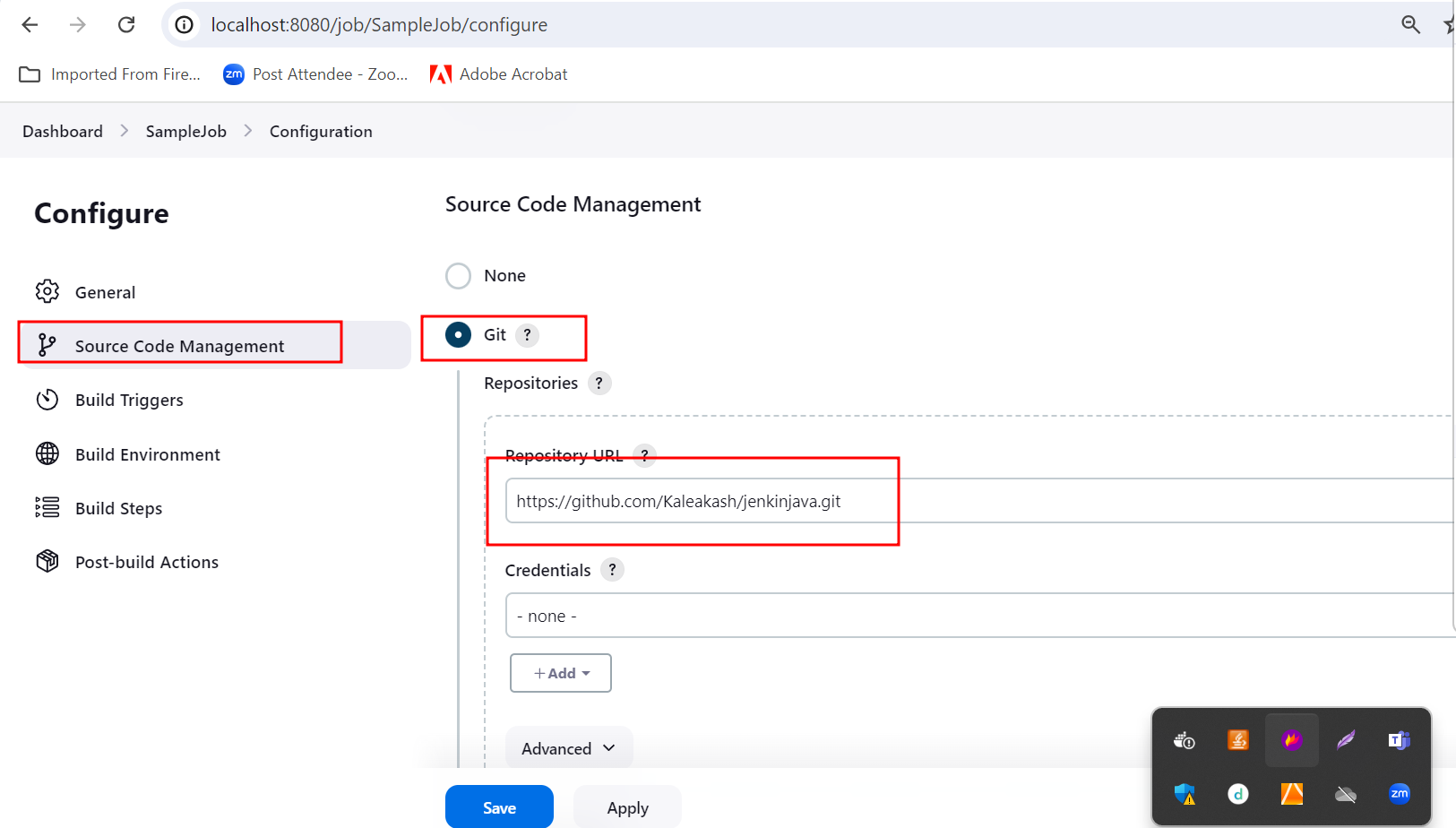
1. Creating simple job to display message.
2. Second job responsible to pull the sample project from Git Repository and build it.
3. Creating Jenkin job responsible to do trigger(this job executed base upon time or conditions).
4. Creating Jenkin job responsible to pull the project from github account and build the job after every 1 min with trigger options.
5. We need to build the project (Compiling and Running Core Java Program) whenever owner push the new changes in Github account.

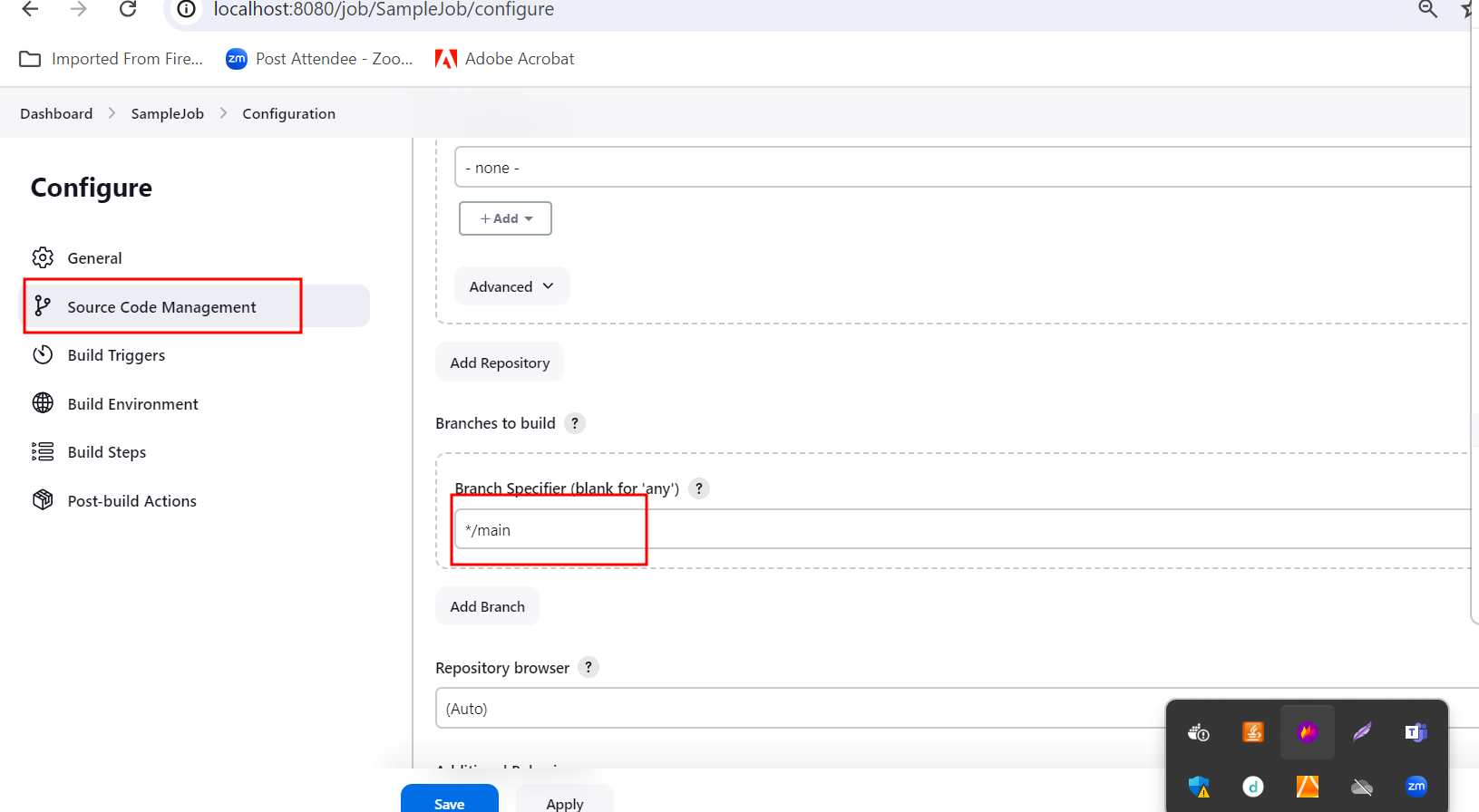
Steps

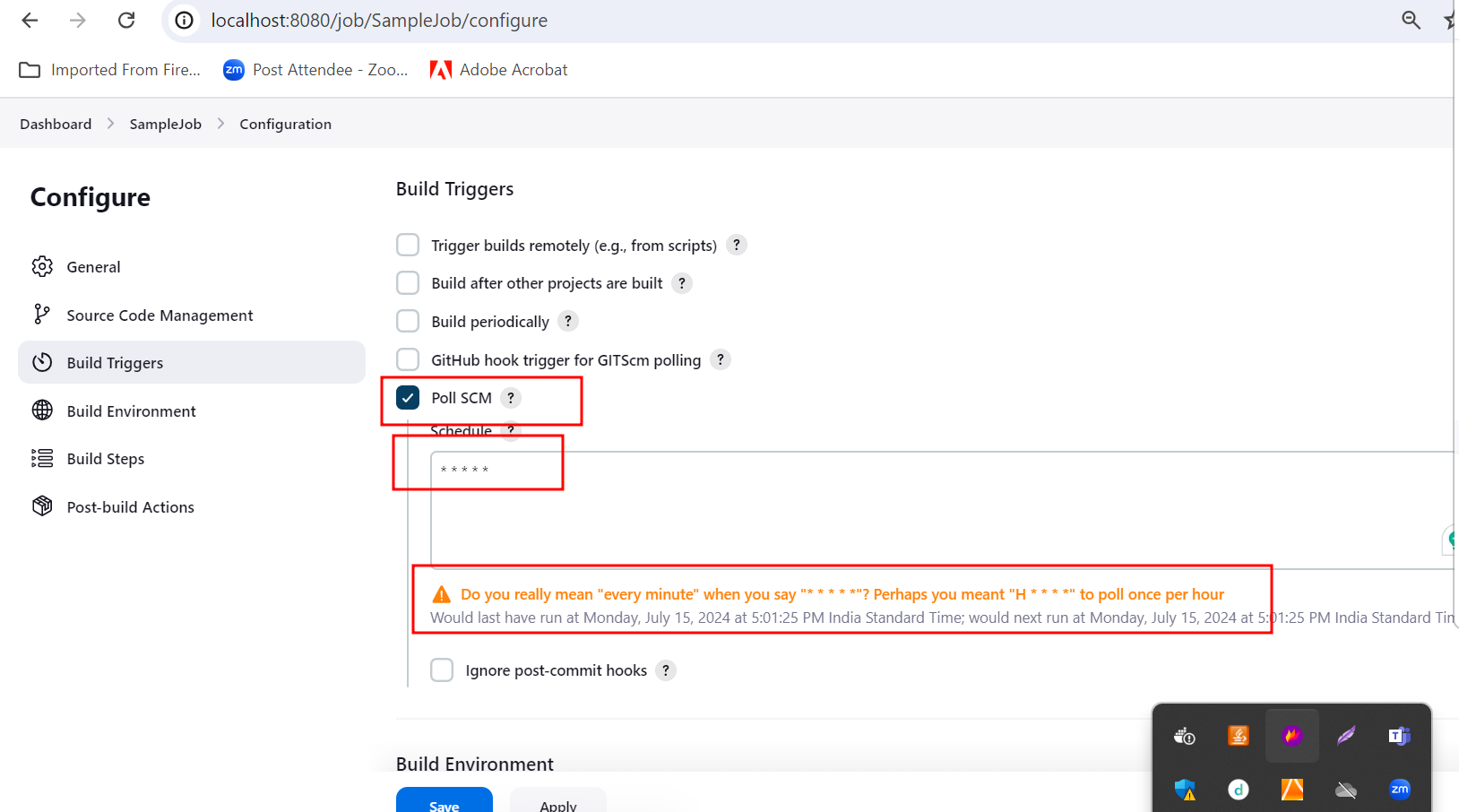




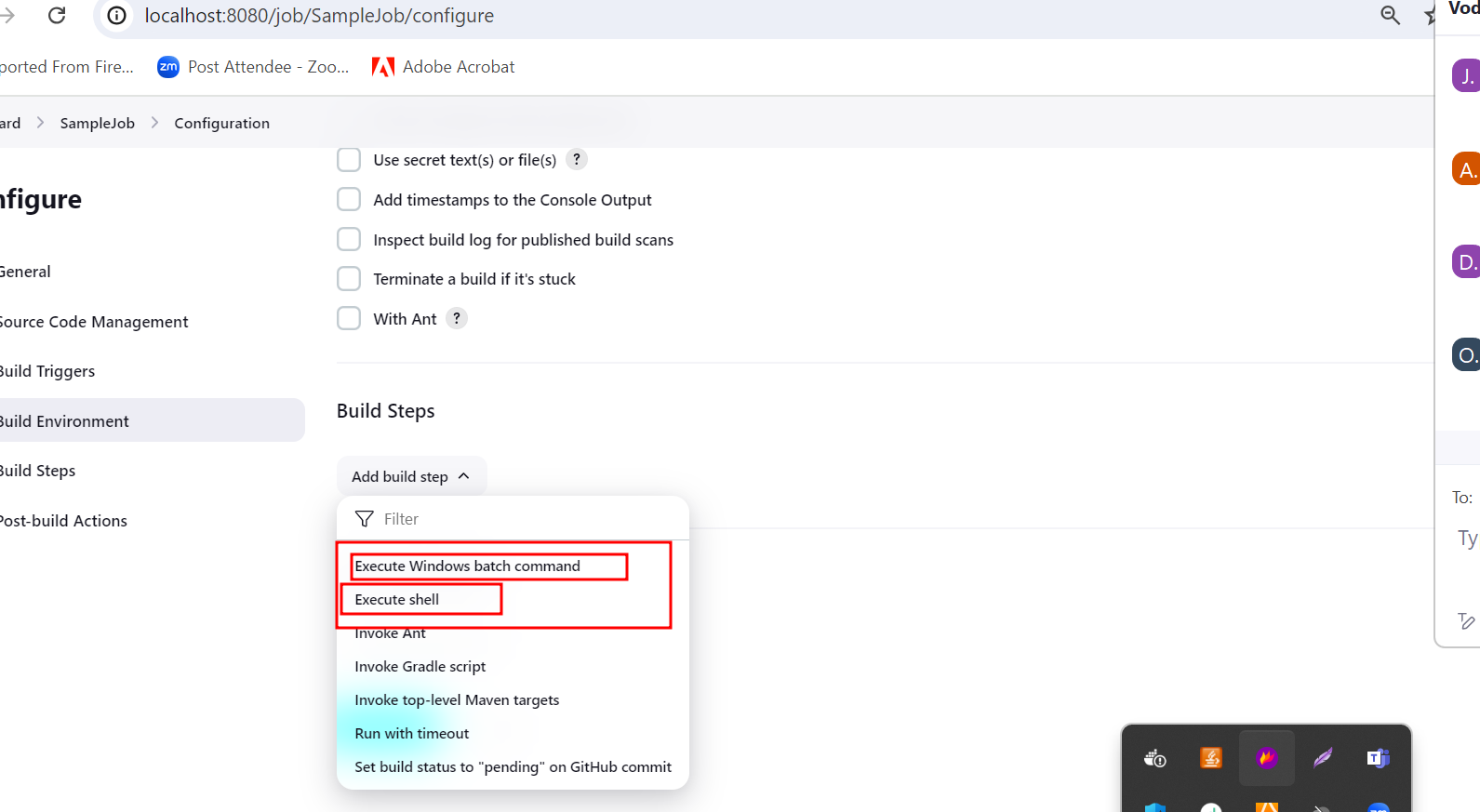






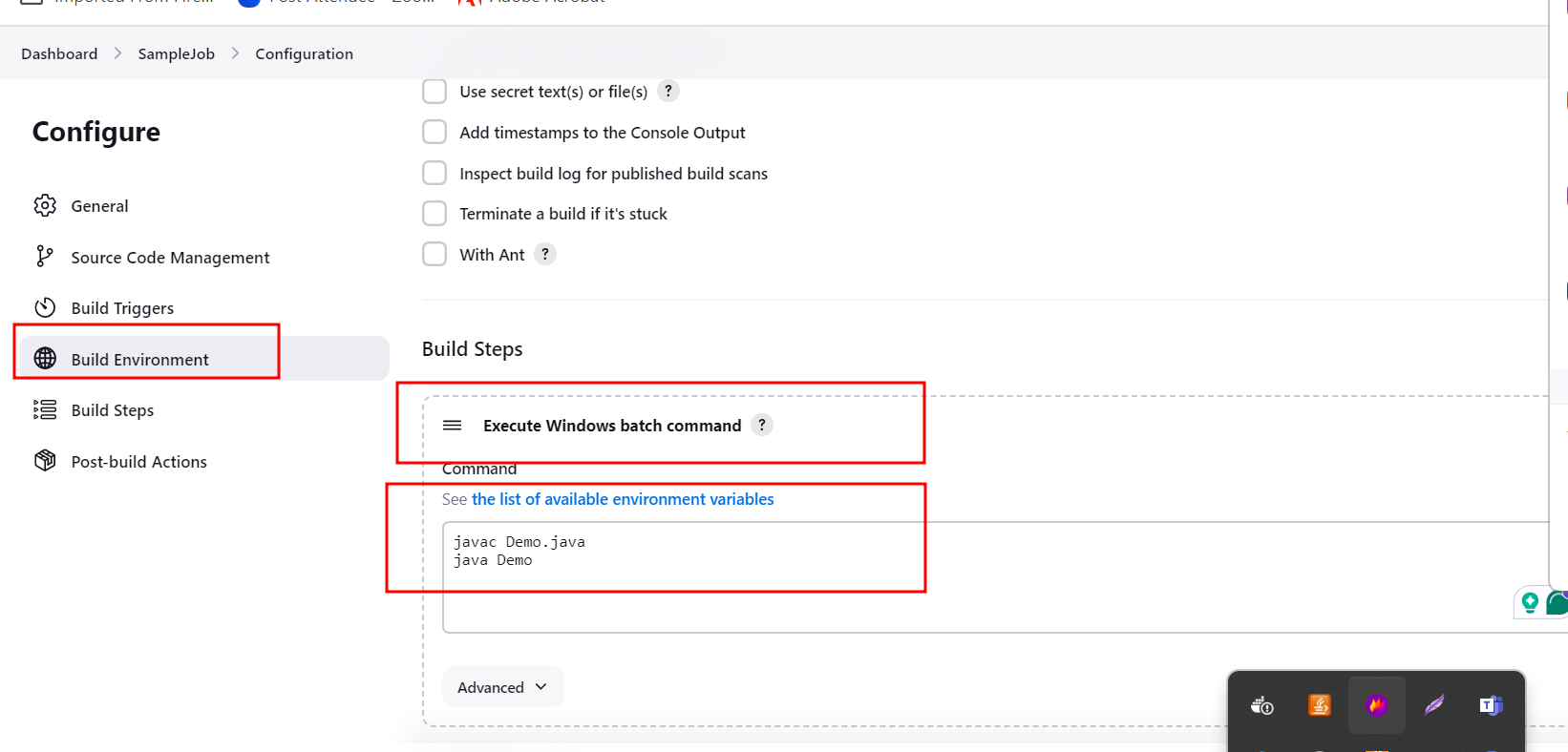


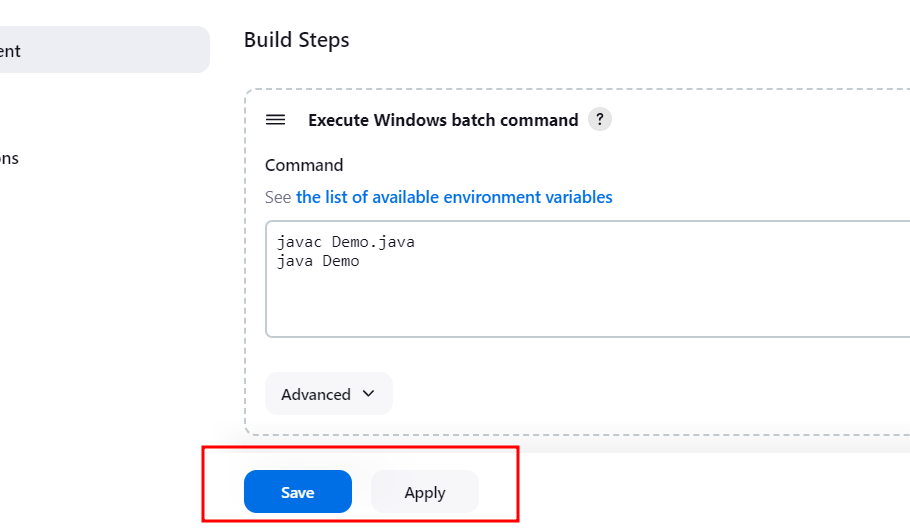
Poll SCM : Trigger option : it check very minute in Github account. If any changes happen then only it build the project.



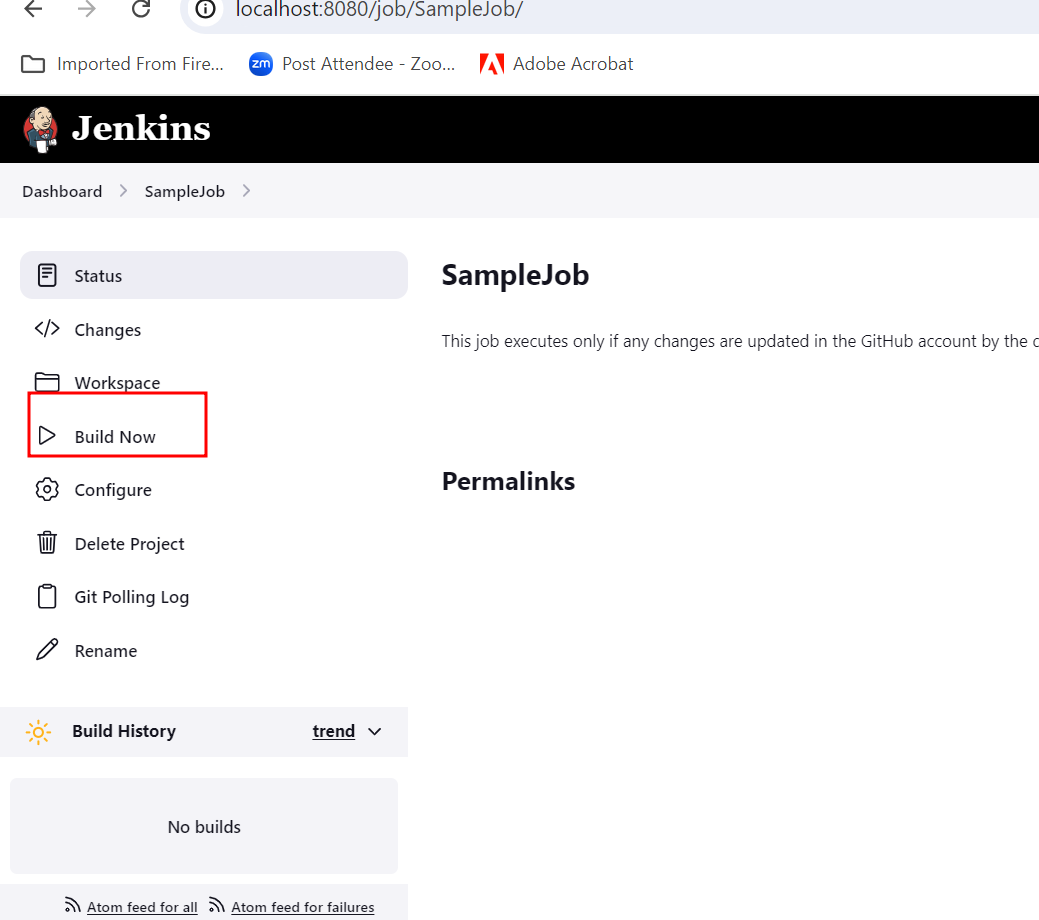
Window user 🡪 Execute window batch command

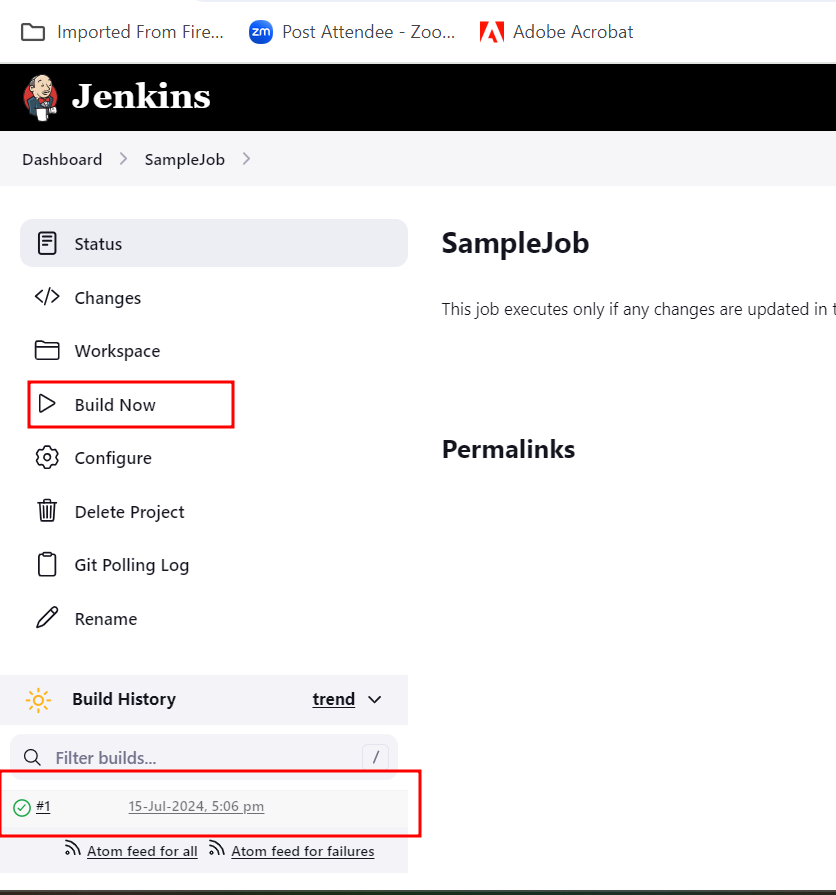
Non window user 🡪 execute shell





Click apply and save

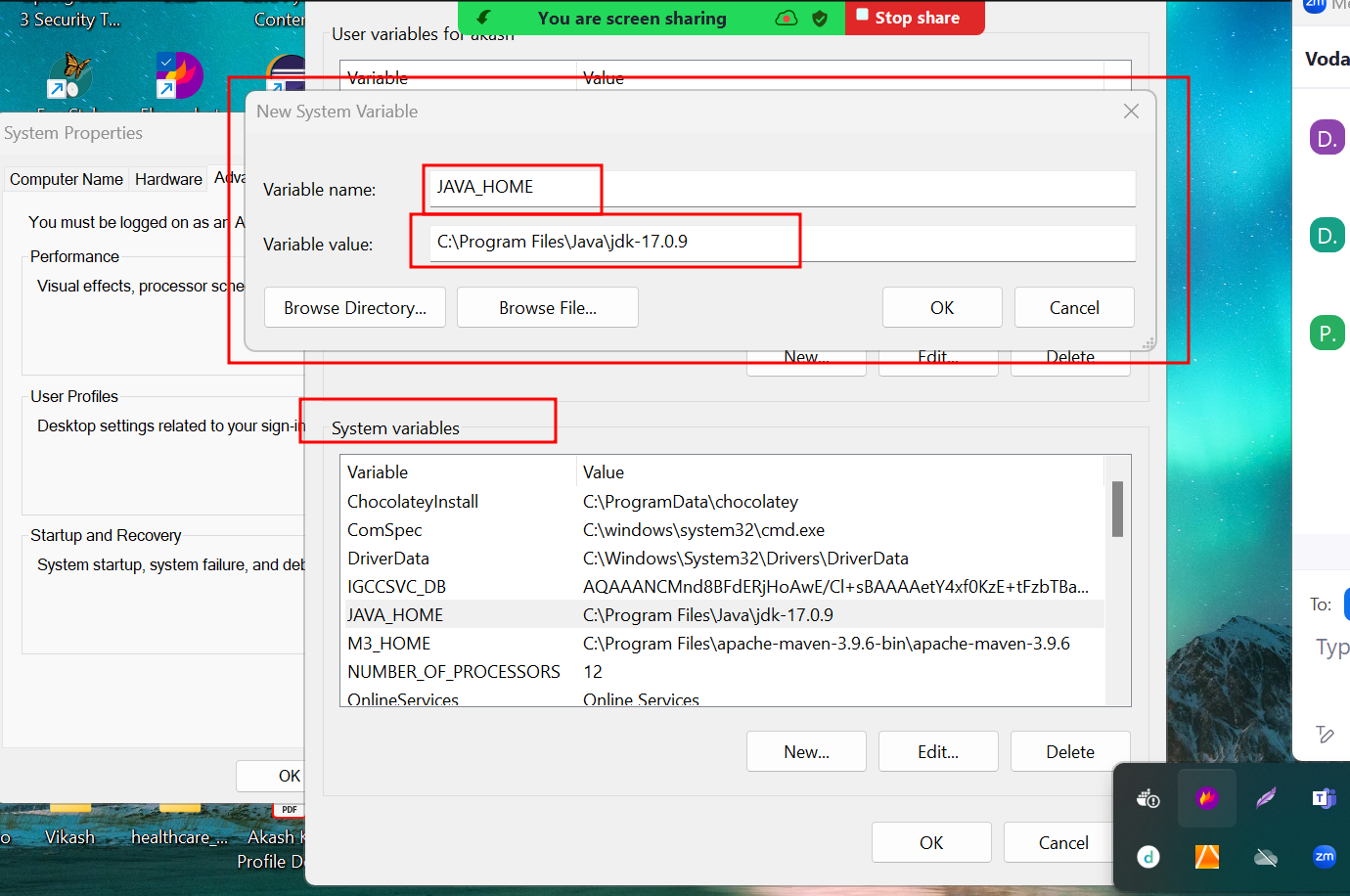


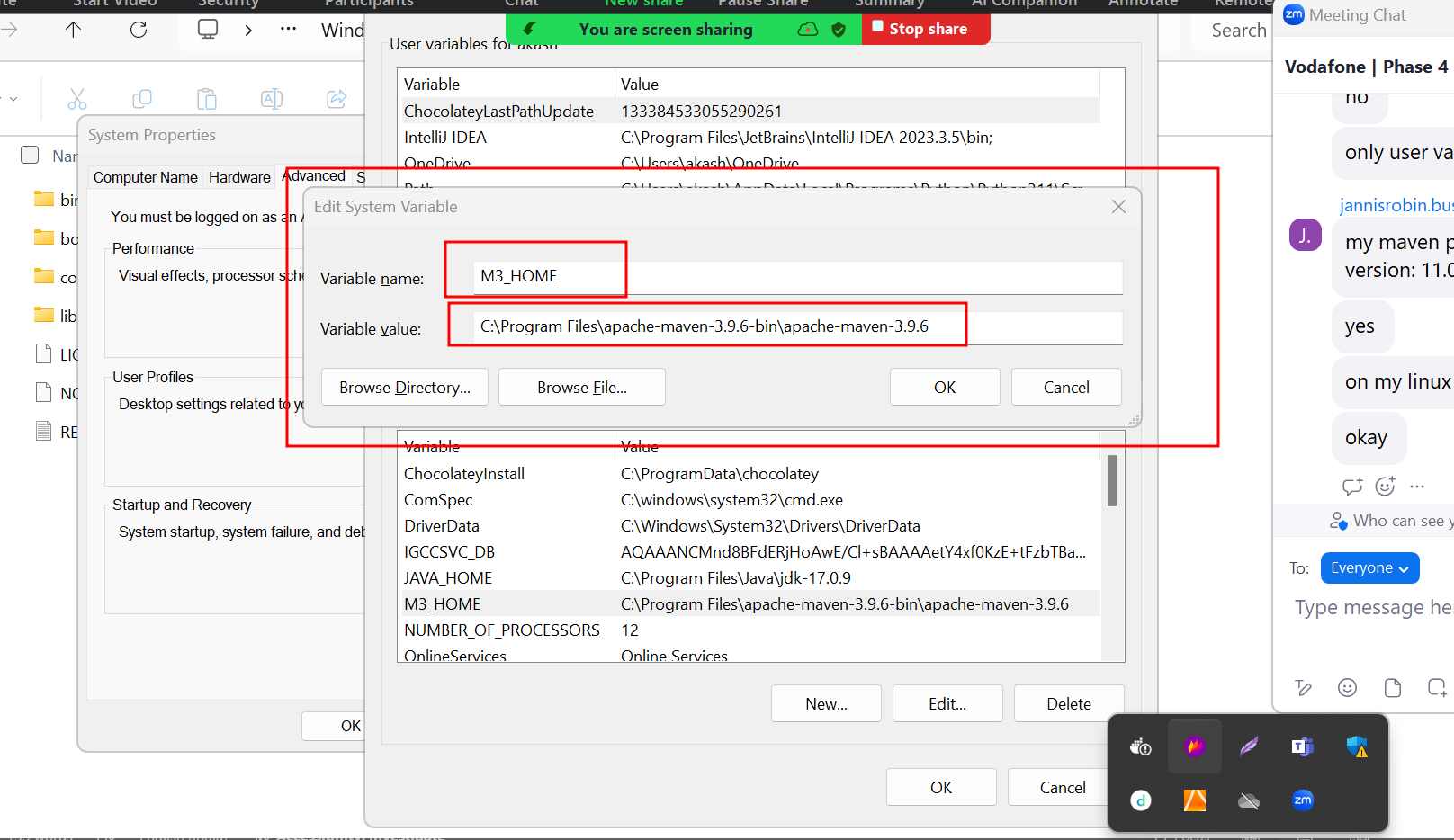


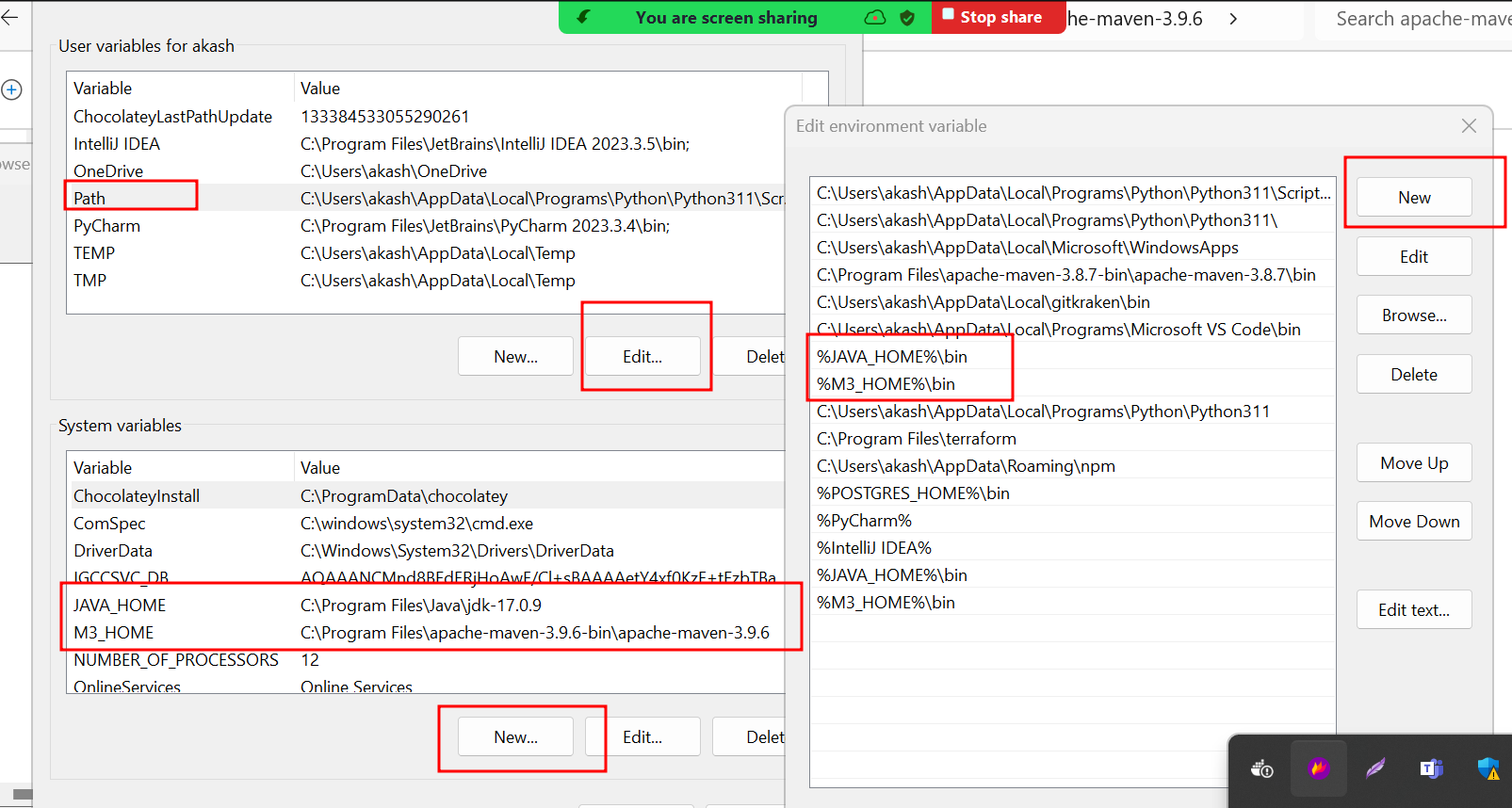
1. Build spring boot project in CI and CD tools.

maven build command in local machine or VM machine.

Set java home in environment variable.







Open the terminal and check java version and maven version

java version

mvn version

creating simple maven project

create folder as maven-projects

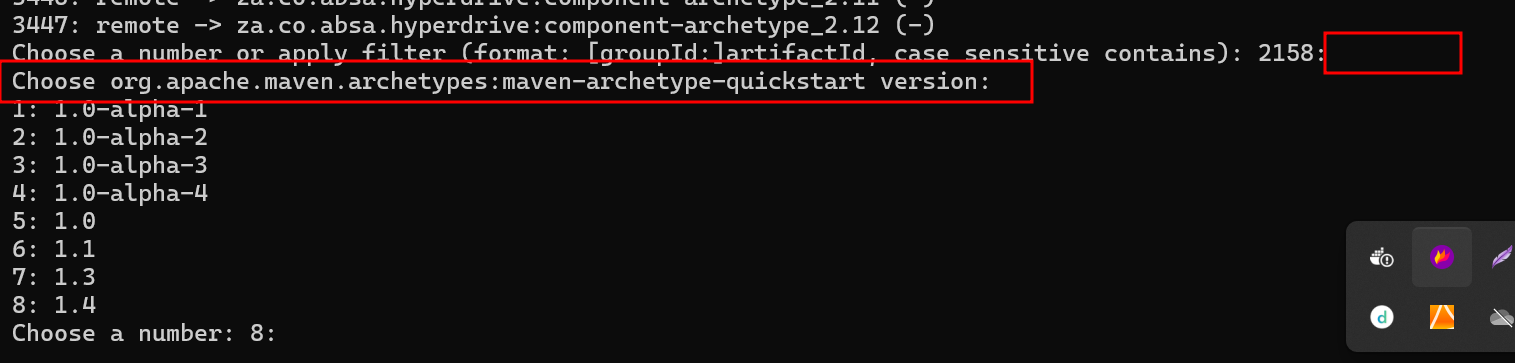
then open the terminal and write the command as



mvn archetype:generate

initially download required jar files.

After downloaded : please hit enter key



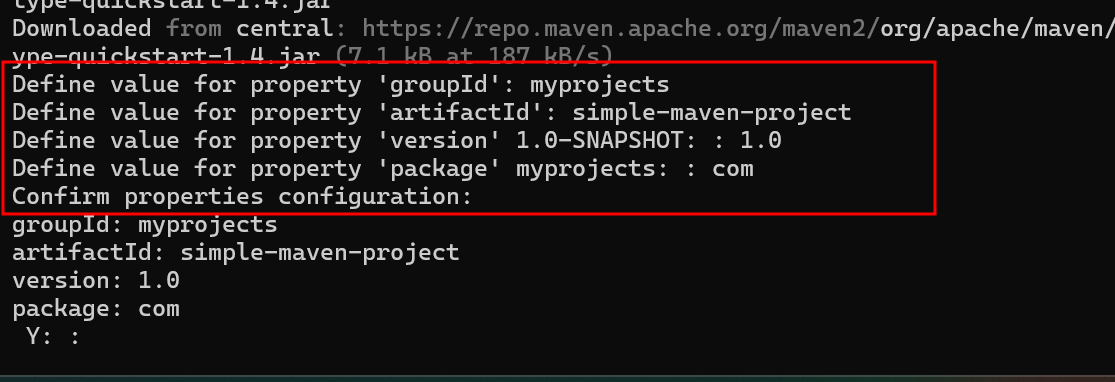
Enter once again

It will ask group id : myprojects

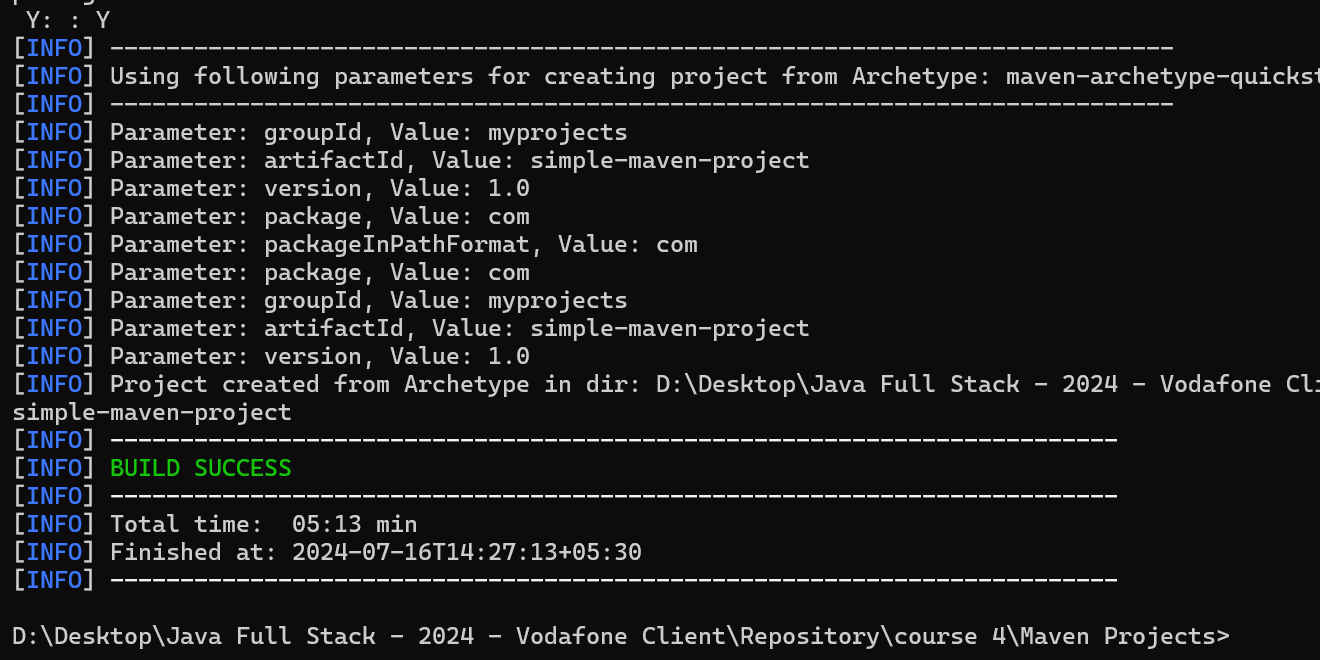
artifactid : projectname ie simple-maven-project

version : 1.0

package : com



Please Enter Y : it will create sample project for us.



Using cd command please move inside a project

cd sample-maven-project

open this project in VC code

Or

Open the terminal any existing maven project make sure pom.xml file present in that location

mvn compile to compile the project

after compile successfully you can see target folder generated which contains all build files or .class file.

mvn clean : it is use to remove target folder.

mvn compile it generate target folder

mvn test this command is use to run test case if present in your project.

mvn package this command is use to create jar or war file.

1. Creating Job in CI and CD tool which is responsible to build spring project.

8 Creating job to build react js project.

To create react js project node js must present

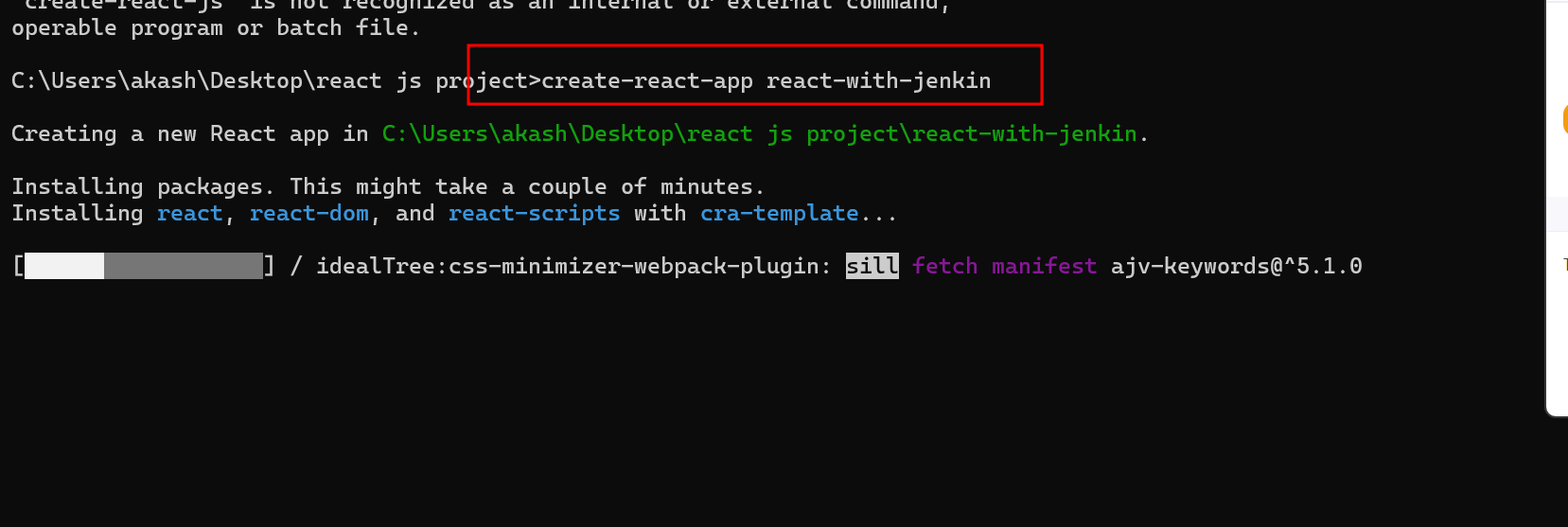
node --version

npx create-react-app react-with-jenkin

or

npm install react-react-app -g

create-react-app react-with-jenkin



Do some changes in App.js file and using npm start command please test your project.

Please push this project from local machine to your remote repository

git init

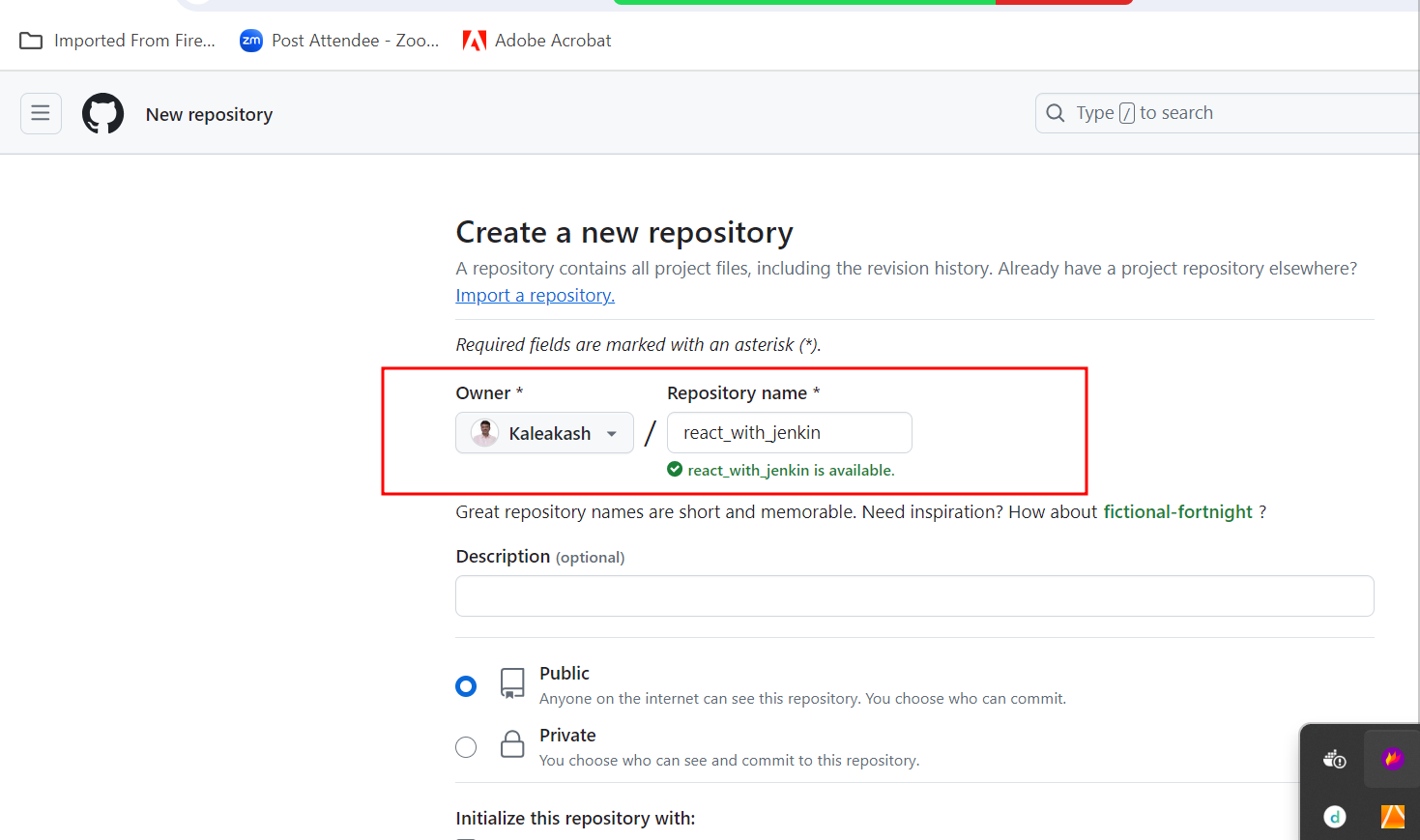
git add .

git commit -m “simple react project ready”

your code is push file os file system to local repository

please create remote repository in your git hub account and link that repository

with your local repository and push your project from local to remote repository.



**Below command connect my local repository code with remote repository**

**git remote add origin https://github.com/Kaleakash/react\_with\_jenkin.git**

**Now we can’t push this code to remote repository**

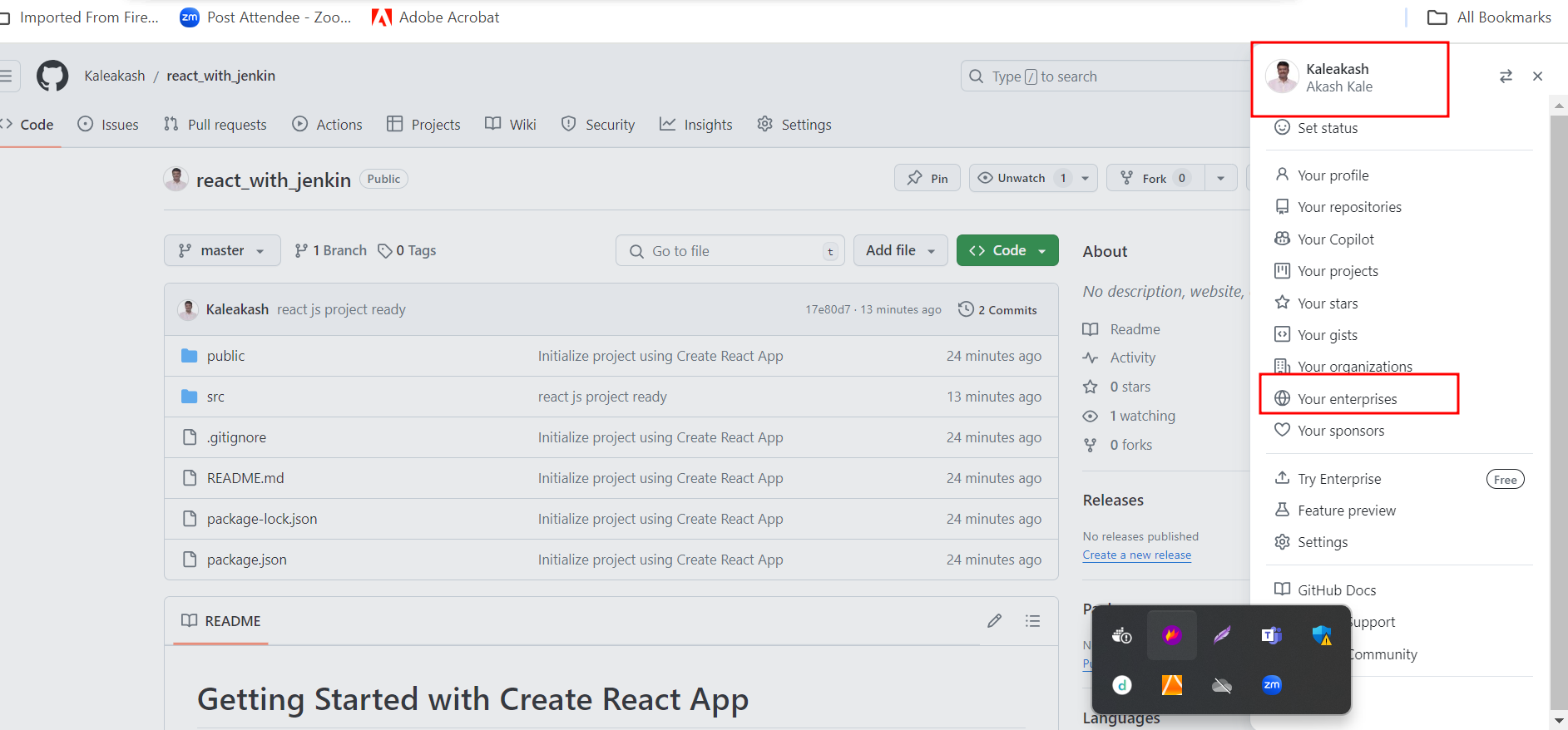
**If you are not able to push the code successfully because of some reason. We will use token to push the code**

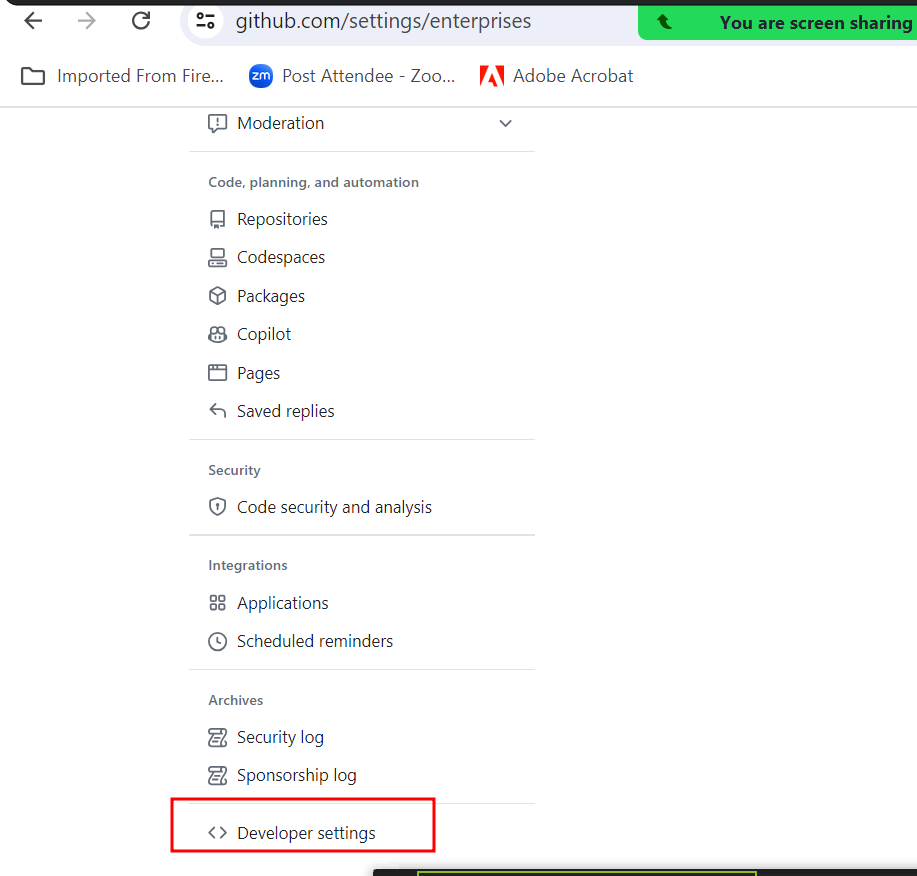
**Already local machine connected with remote machine using URL and that URL store in origin keyword.**

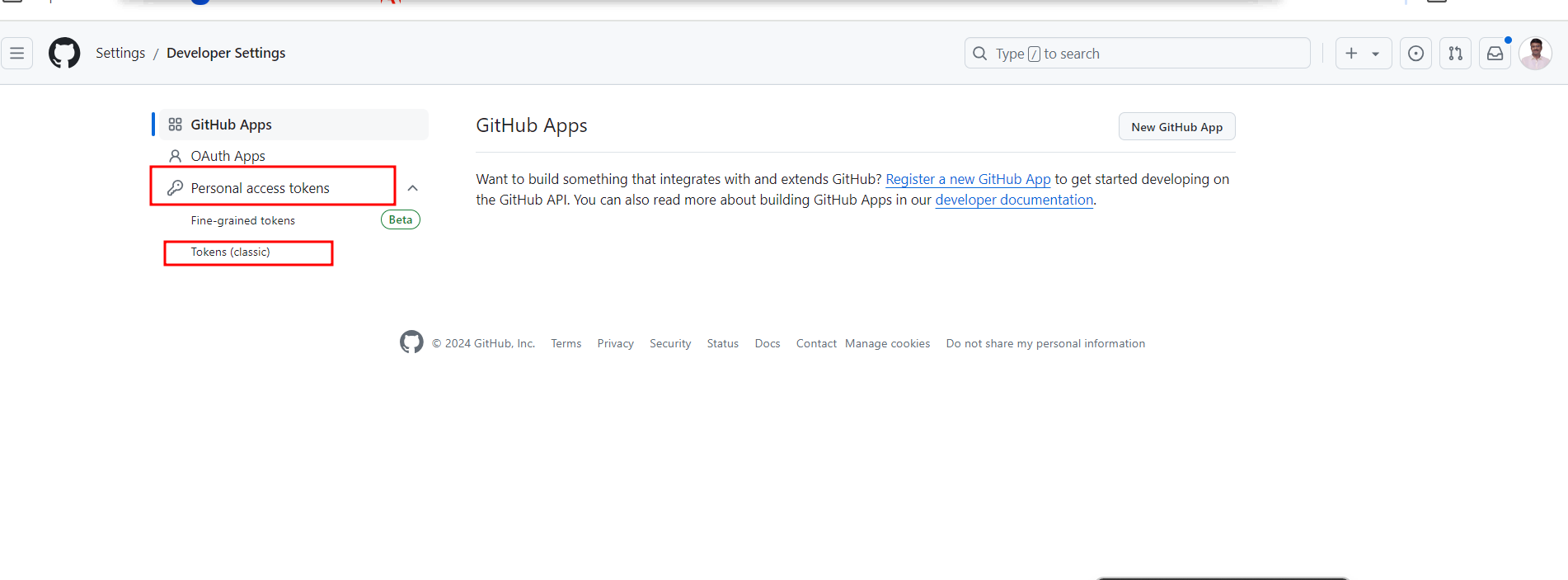
**git remote rm origin this command is use to remove origin or**

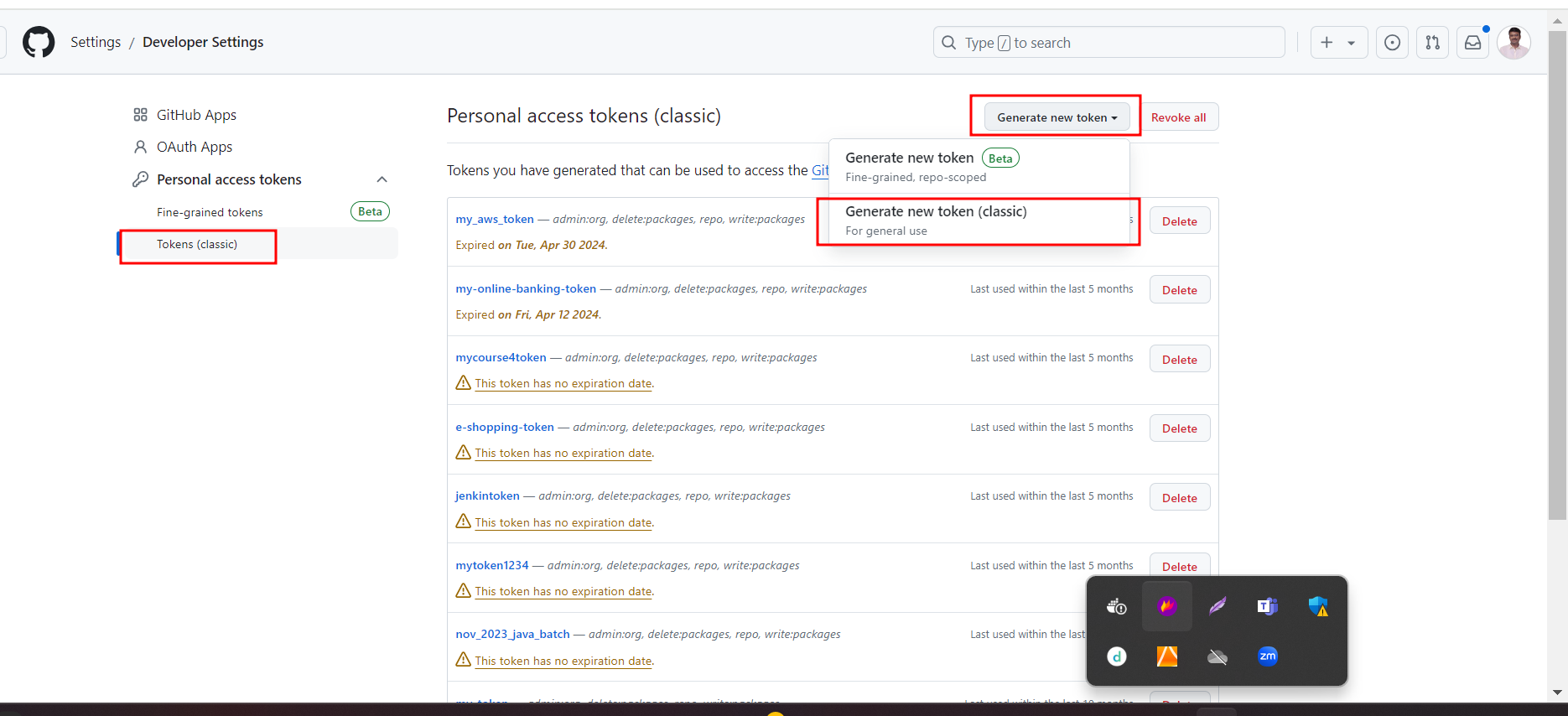
**link with remote repository**

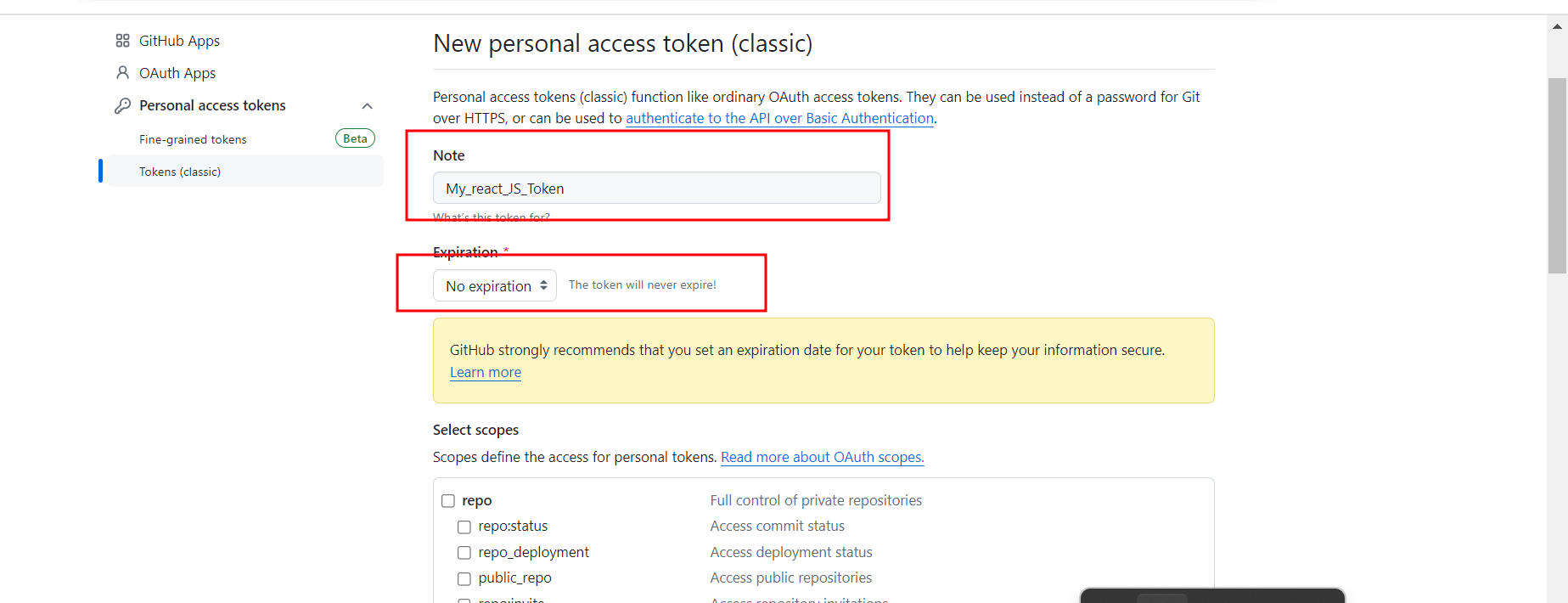
**Now we will generate token.**

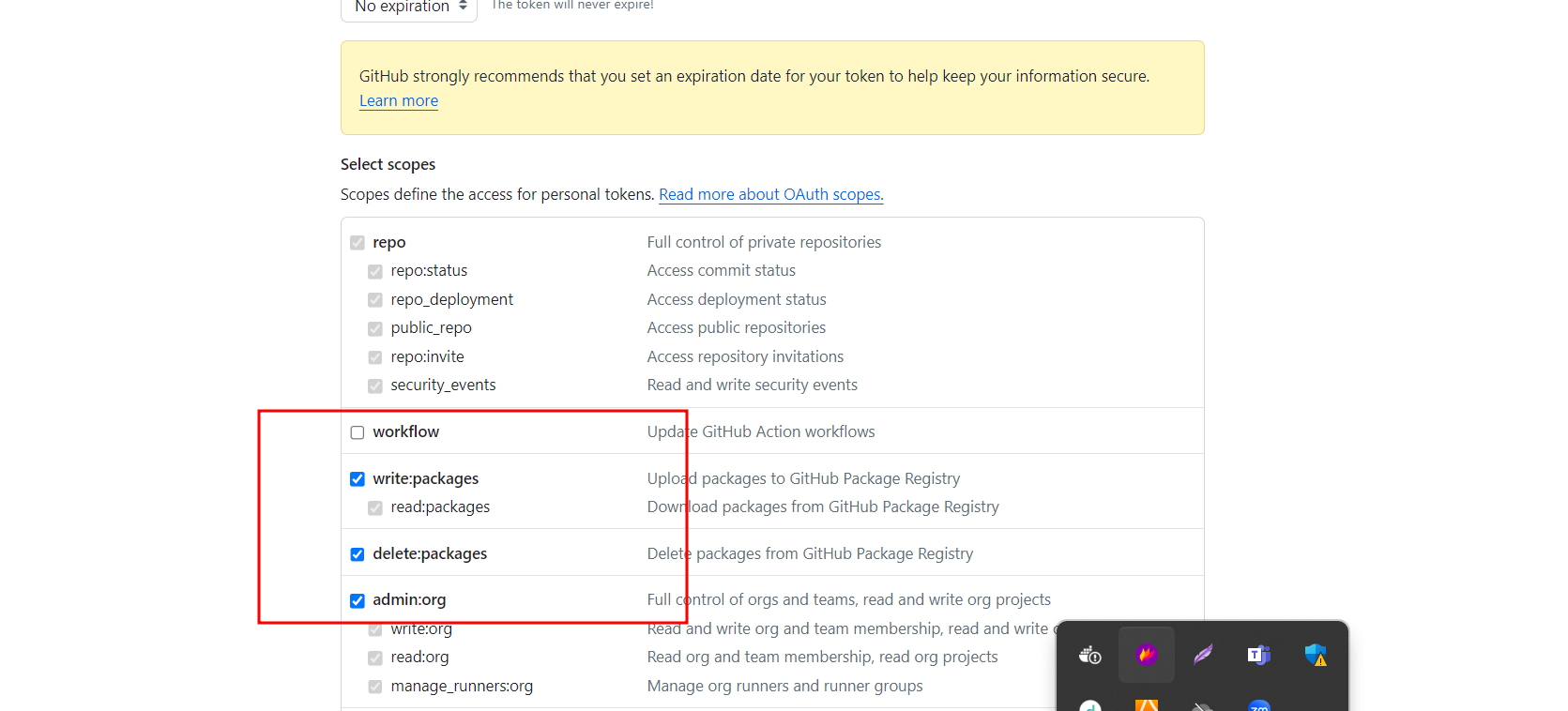


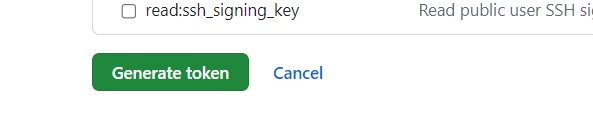




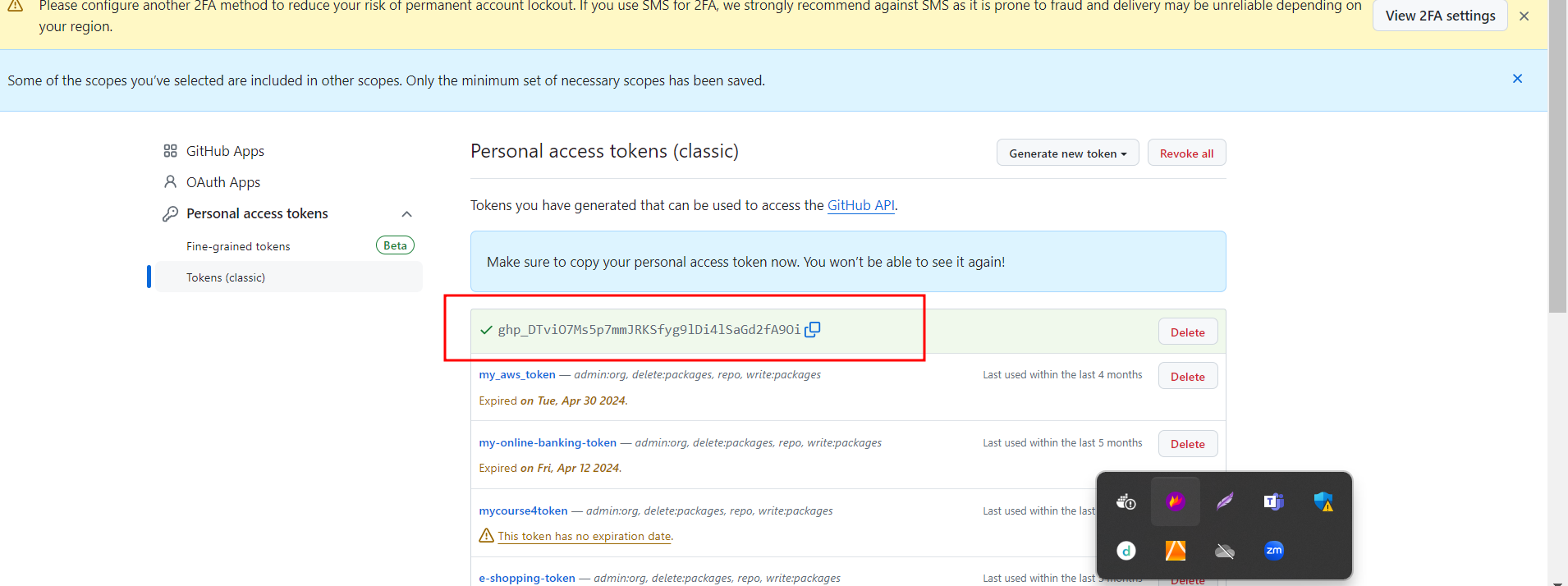








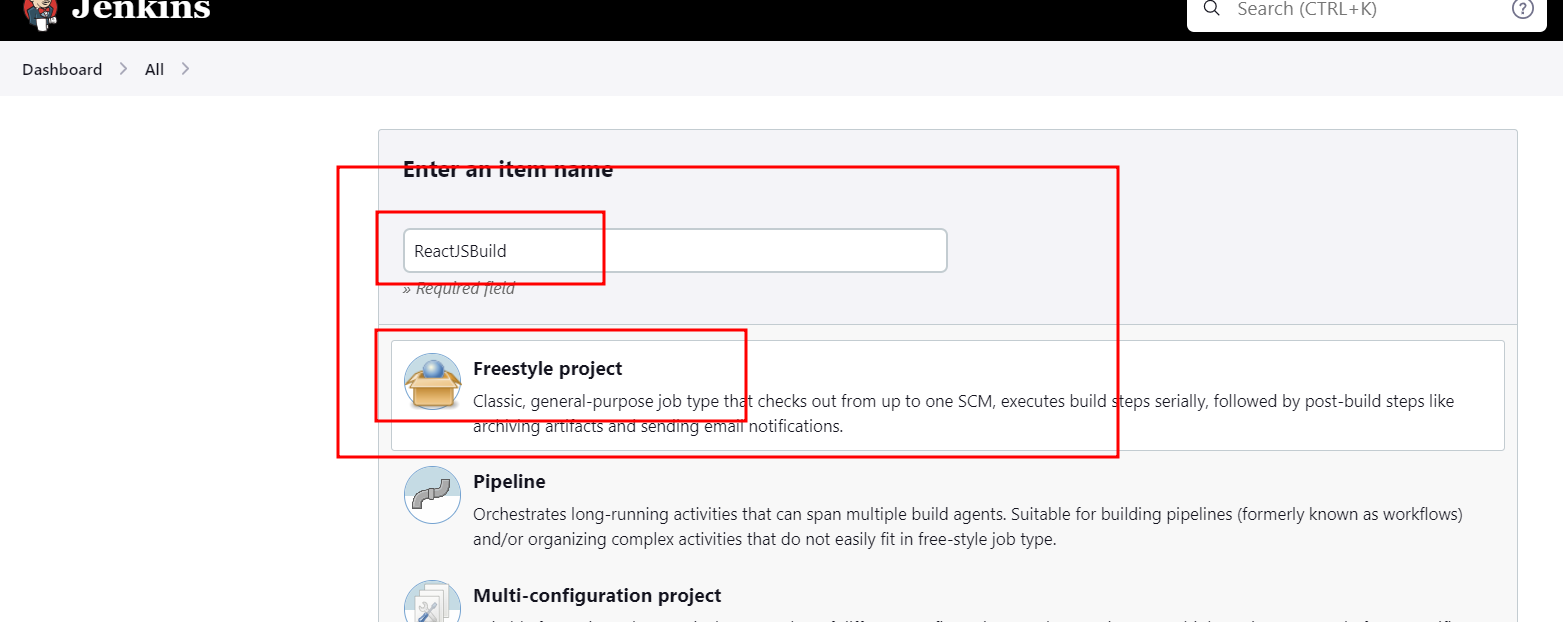
**Copy the token**

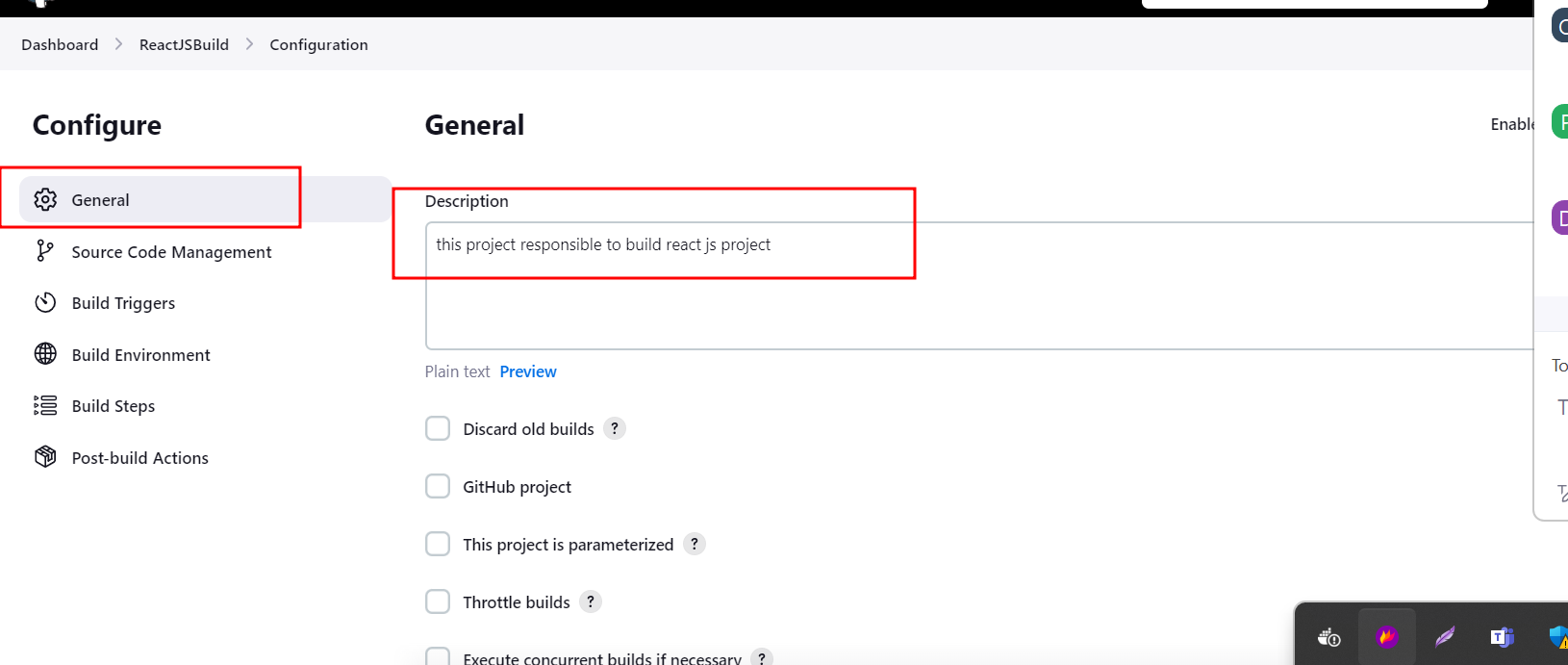


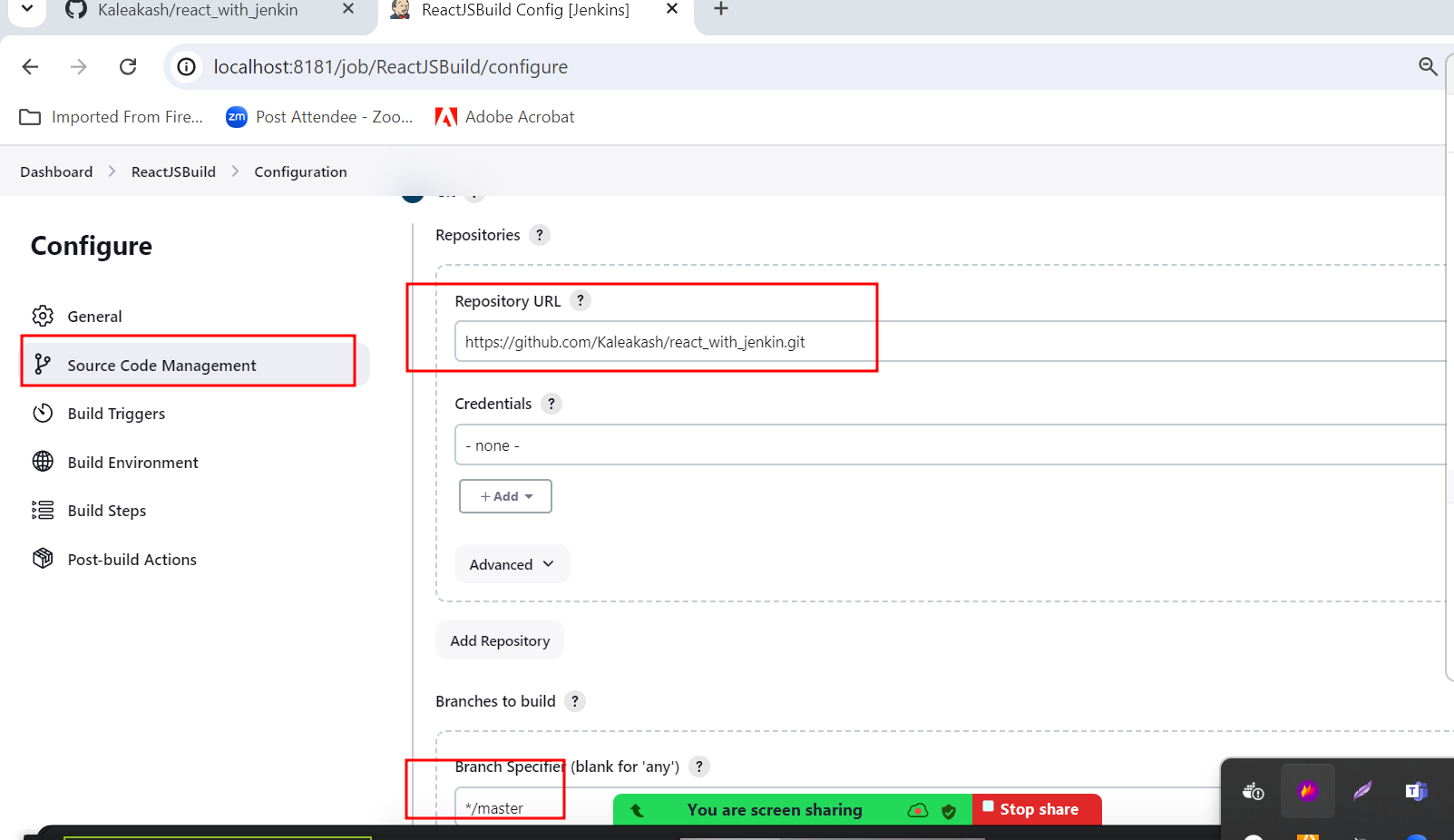
**git remote add origin https://ghp\_DTviO7Ms5p7mmJRKSfyg9lDi4lSaGd2fA9Oi@github.com/Kaleakash/react\_with\_jenkin.git**

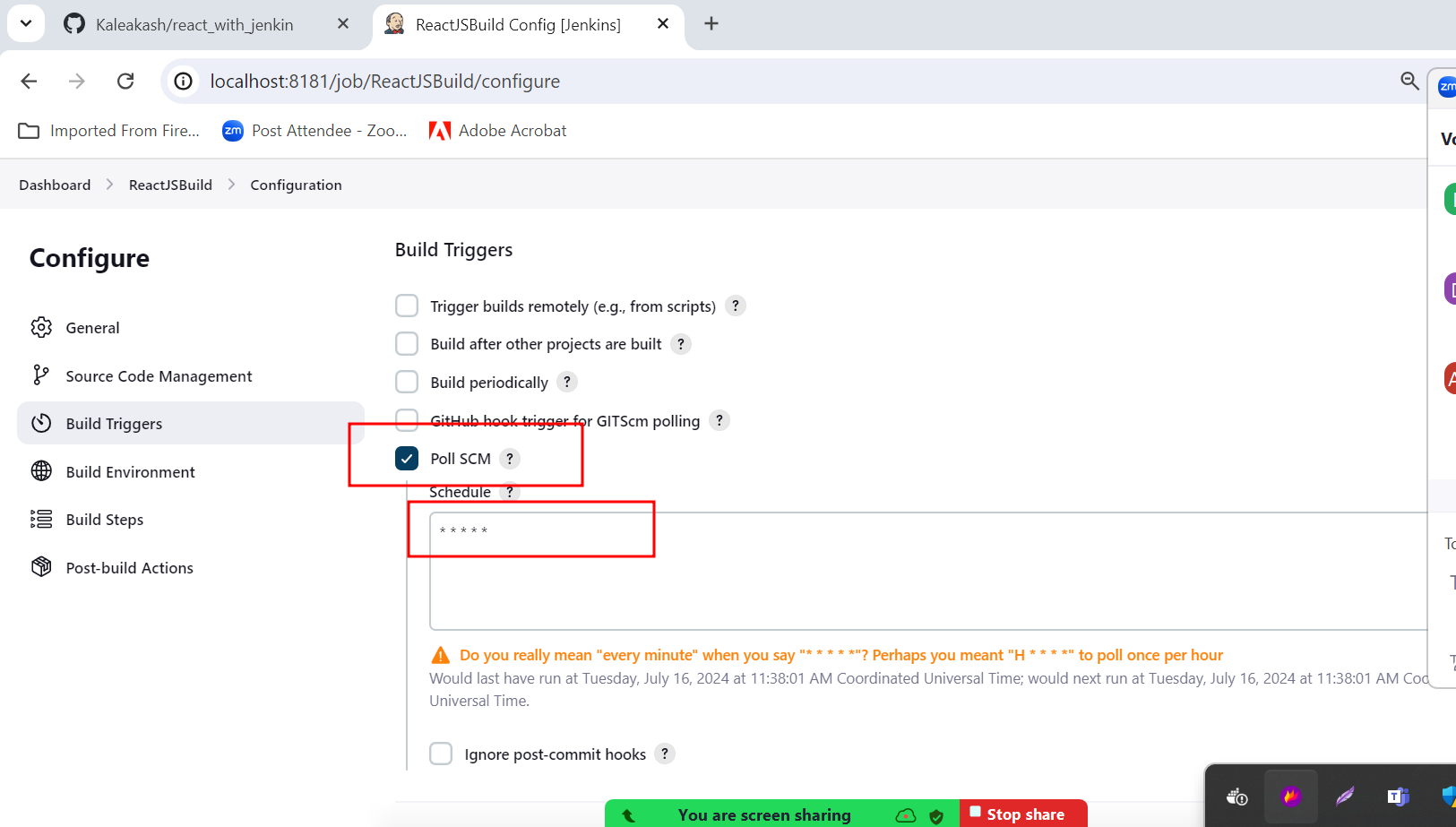
**git push -u origin HEAD**

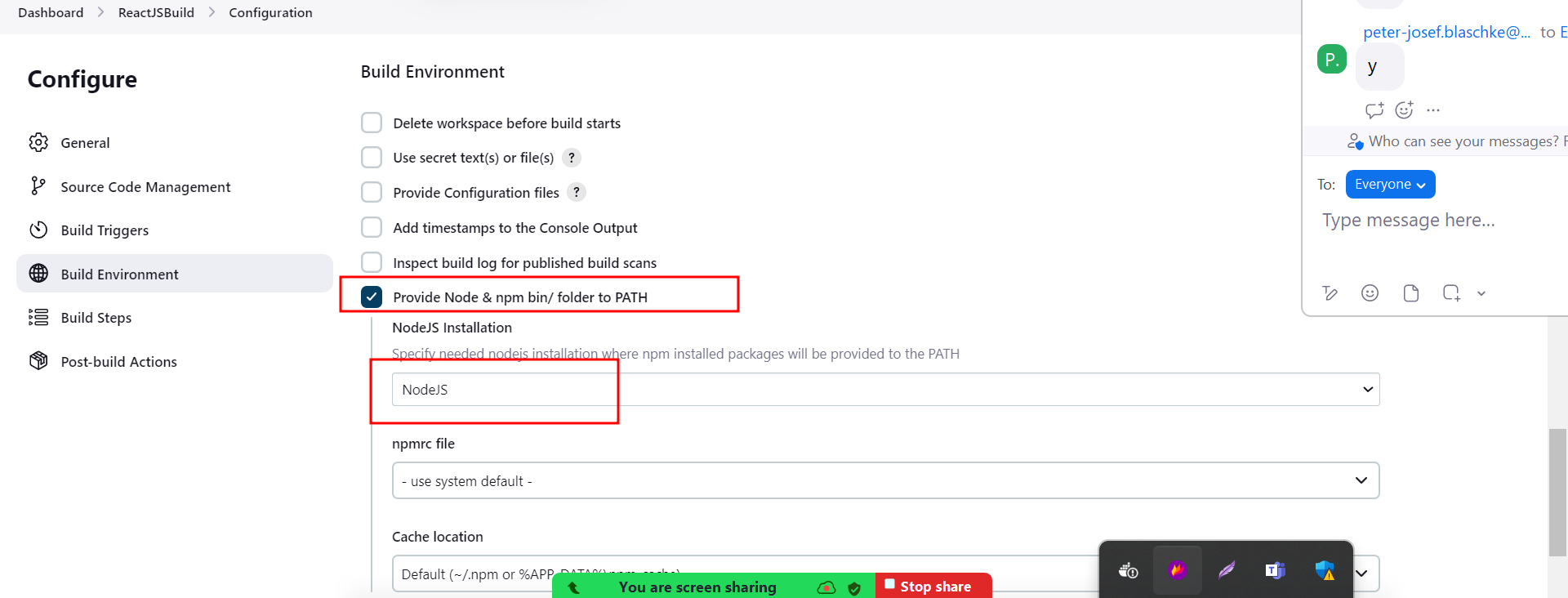
Creating Jenkin job to build react js project.

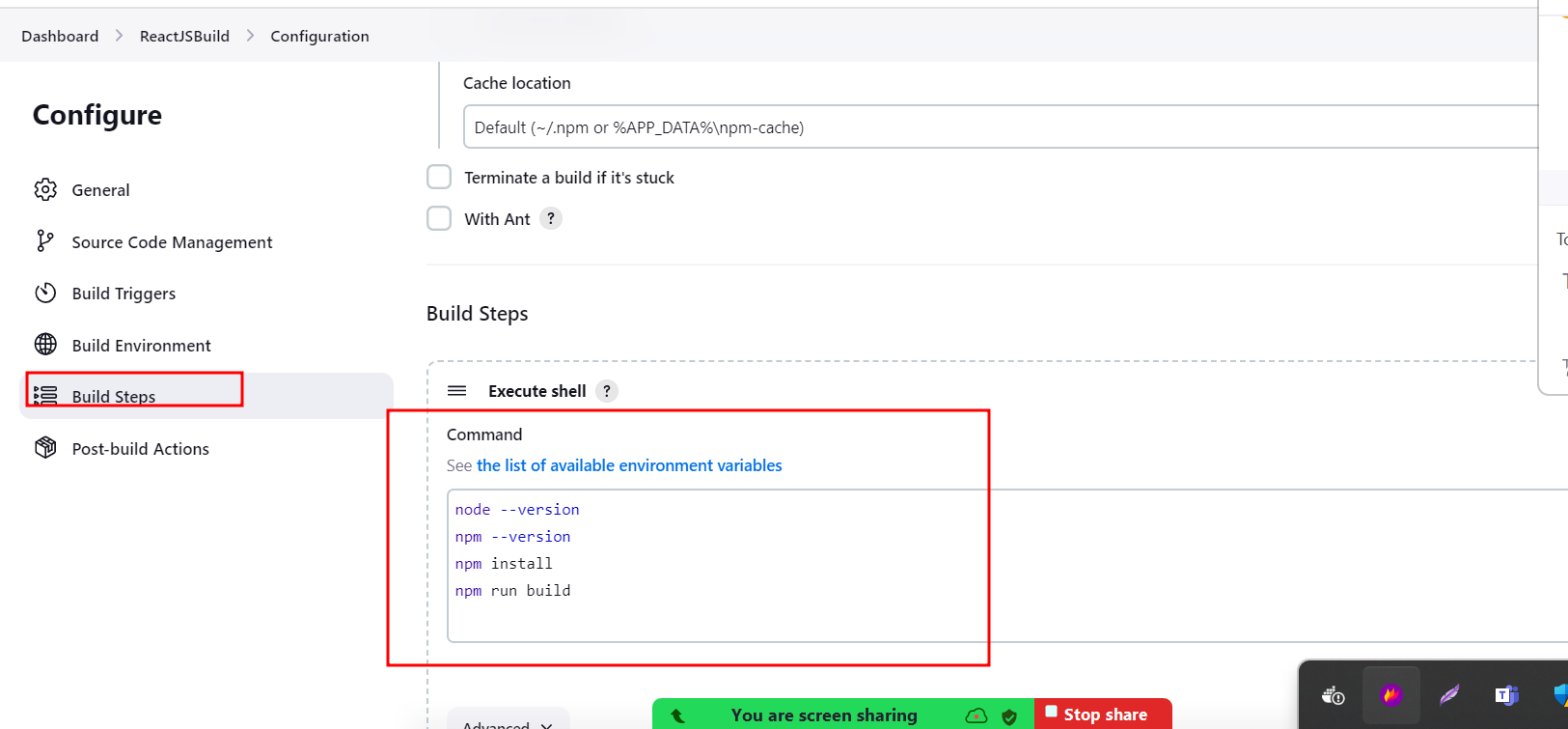






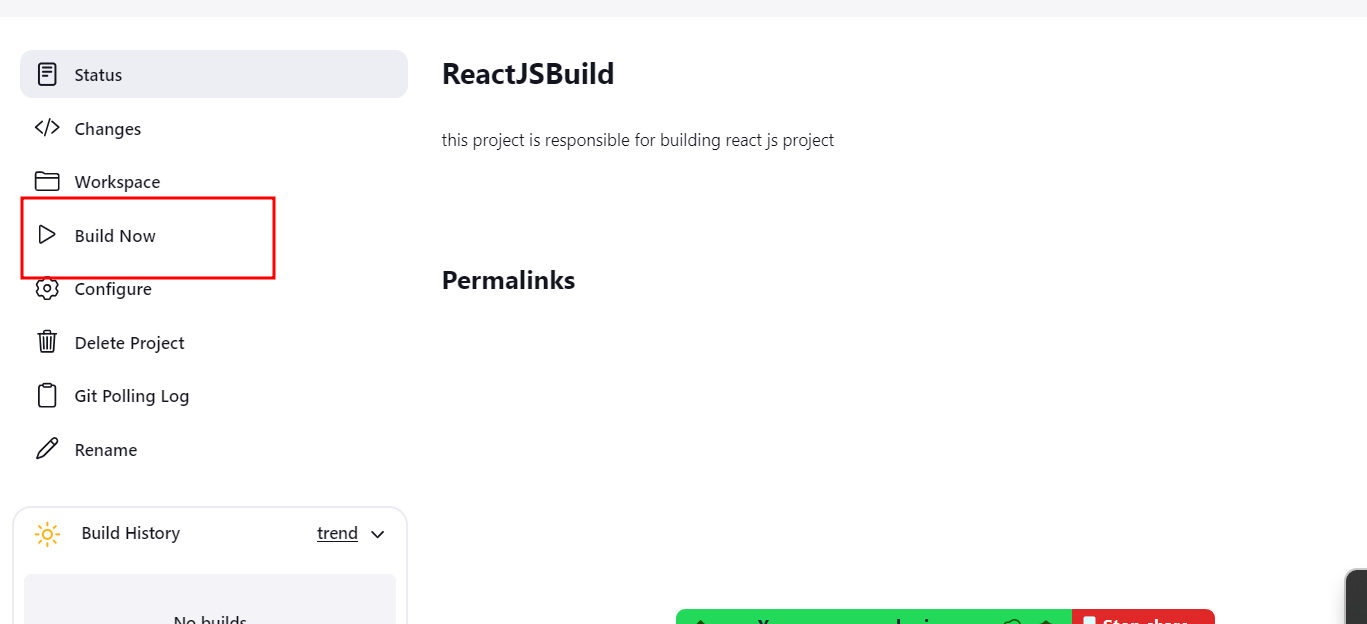


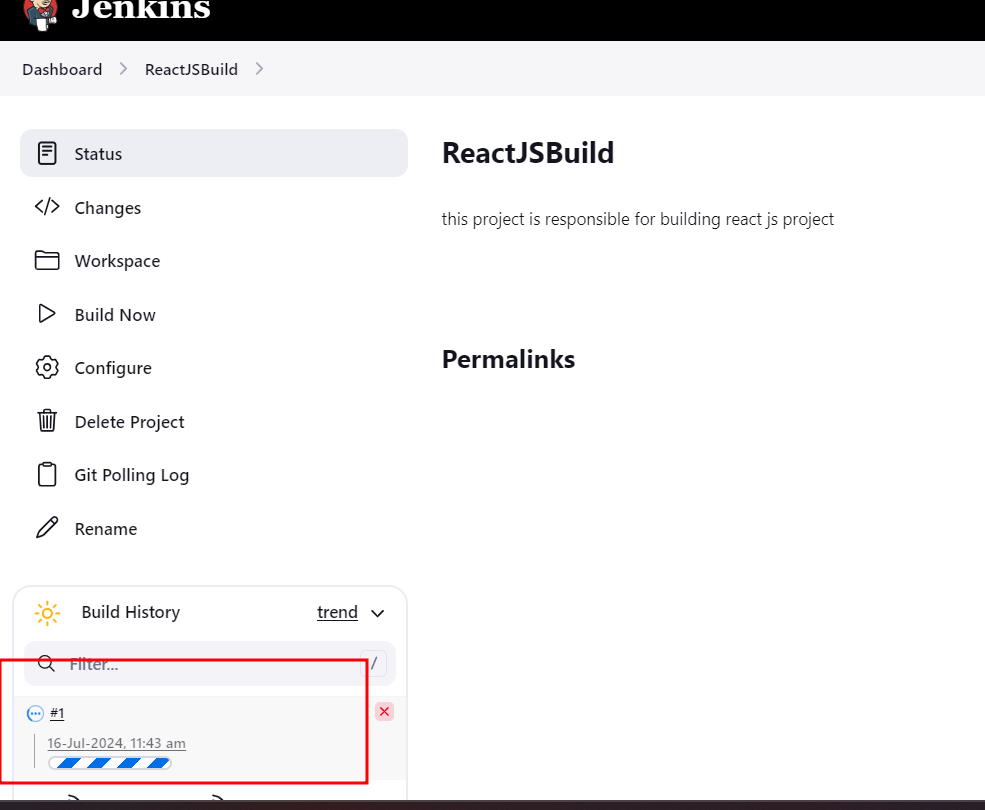




Click on apply and save

Then build the project





Jenkin Pipeline