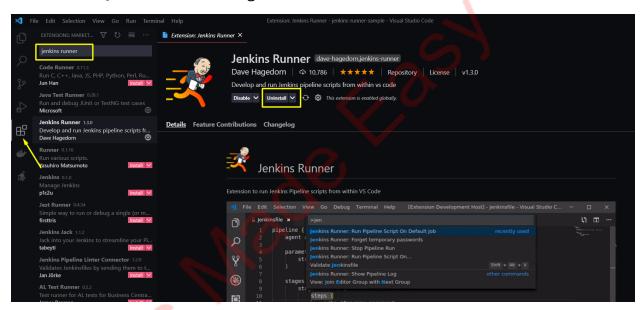
# Running your Jenkins Pipelines from VS Code using Jenkins Runner Plugin

We can test the Jenkins Pipeline directly from the VS code without modifying the pipeline in the Jenkins UI using VS Code's Jenkins Runner Plugin

## Step1: Download the Jenkins Runner plugin from VS code extensions

• Install Jenkins Runner Plugin



## Step2: Create a folder within VS code

- Create a new folder in VS code
- Within this new folder, Create your **Jenkinsfile** and write your pipeline code
- Within this new folder create another folder .vscode
- Within .vscode folder, create settings.json file and edit the contents as shown in the next step

```
🗙 File Edit Selection View Go Run Terminal Help
                                                                                        • Jenkinsfile - jenkins-runner-sample - V
                                                🙎 Jenkinsfile 🍳

✓ JENKINS-RUNNER-SAMPLE

                                                 Jenkinsfile
        ∨ 🔯 .vscode
                                                        pipeline {
                                                             agent any
           x settings.json
                                                             stages{
          Jenkinsfile
                                                                 stage("SCM Checkout"){
                                                                      steps{
                                                                          echo "Cloning the repo"
        Note that settings.json is inside .vscode folder
        and Jenkinsfile is outside
                                                                 stage("Build"){
                                                                      steps{
                                                                          echo "Build stage'
                                                                 stage("Test"){
                                                                      steps{
                                                                          echo "Test stage"
```

#### Step3: Modify settings.json with Jenkins server and Job details

The settings.json file looks like

```
"jenkins-runner.jobs": {
   "jenkins-runner-test": {
       "runWith": "jenkins-master",
       "name": "jenkins-runner-test",
       "isDefault": true
   }
},
"jenkins-runner.hostConfigs": {
   "jenkins-master": {
       "url": "http://192.168.56.2:8080",
       "user": "admin",
       "password": "admin",
       "useCrumblssuer": true
   }
}
```

- Add Jenkins Server URL, username, password and Job name as required
- Job name to be taken from next step

```
File Edit Selection View Go Run Terminal Help

EXPLORER

V JENKINS-RUNNER-SAMPLE

Settings.json • settings.json • settings.json • jenkins-runner-sample - Visual Studio Code

**Settings.json • settings.json • jenkins-runner.jobs":

"jenkins-runner.jobs":

"jenkins-runner.test": {

"runWith": "jenkins-runner.test";

"isDefault": true

}

**Jenkins URL

**Jenkins URL

**Jenkins urunner.hostConfigs": {

"unl": "http://192.168.56.2:8080",

"user": "admin",

"password": "admin",

"password": "admin",

"useCrumbIssuer": true

**Jenkins-runner.hostConfigs": {

"unl": "http://192.168.56.2:8080",

"user": "admin",

"useCrumbIssuer": true

**Jenkins-runner.hostConfigs": {

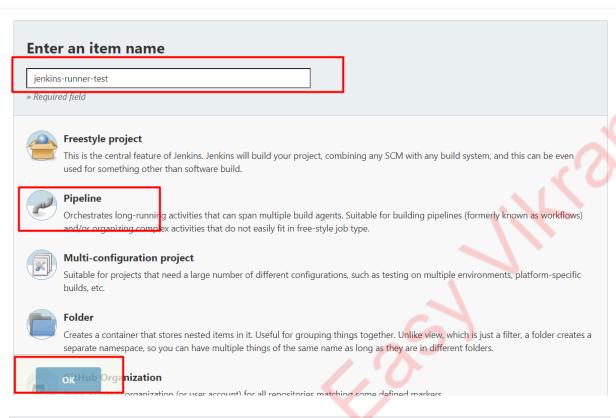
"unl": "http://192.168.56.2:8080",

"user": "admin",

"useCrumbIssuer": true
```

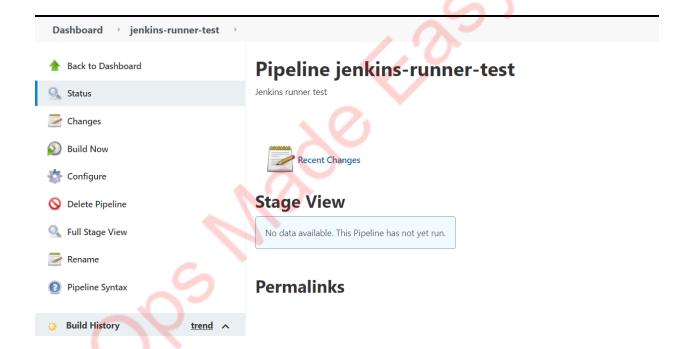
## Step4: Create Jenkins pipeline job

- Create a pipeline job and use it in settings.json file
- Follow the steps as shown in the screenshots



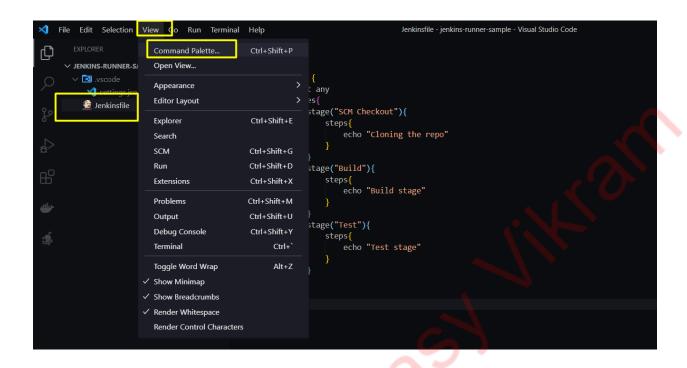






# Step5: Run the job from VS code

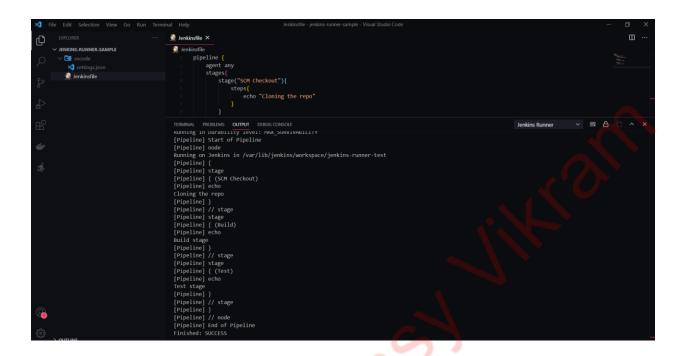
Select the Jenkinsfile on the left pane, click on view on the menu bar an select Command Palette



 Search for Jenkins Runner: Run Pipeline Script on Default Job option and click on it



You can view from terminal output the status of job



• Go to Jenkins UI and verify the same

