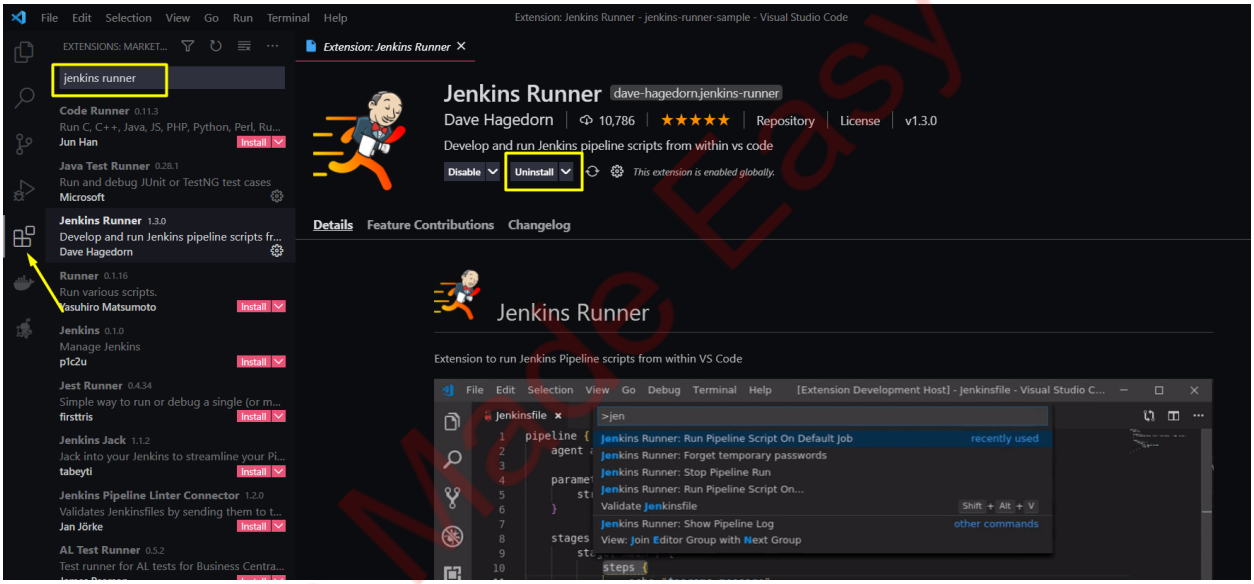
Running your Jenkins Pipelines from VS Code using Jenkins Runner Plugin

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

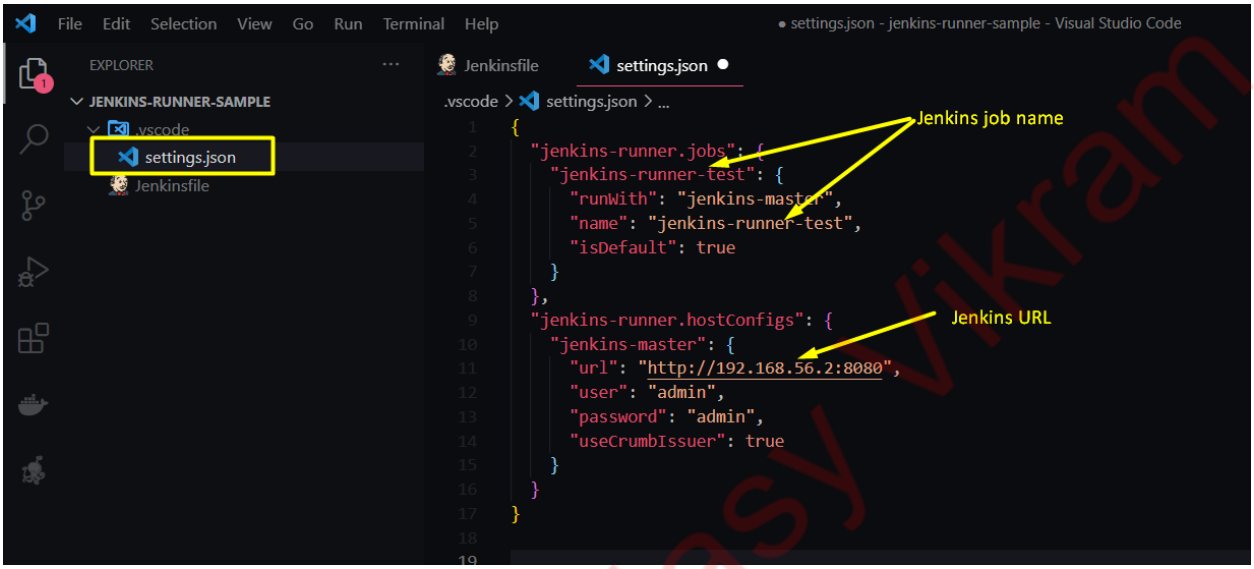
- Create a new folder in VS code
- Within this new folder, Create your **Jenkinsfile** and write your pipeline code
- Within this new folder create another folder **.vscode**
- Within **.vscode** folder, create **settings.json** file and edit the contents as shown in the next step

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

- The settings.json file looks like

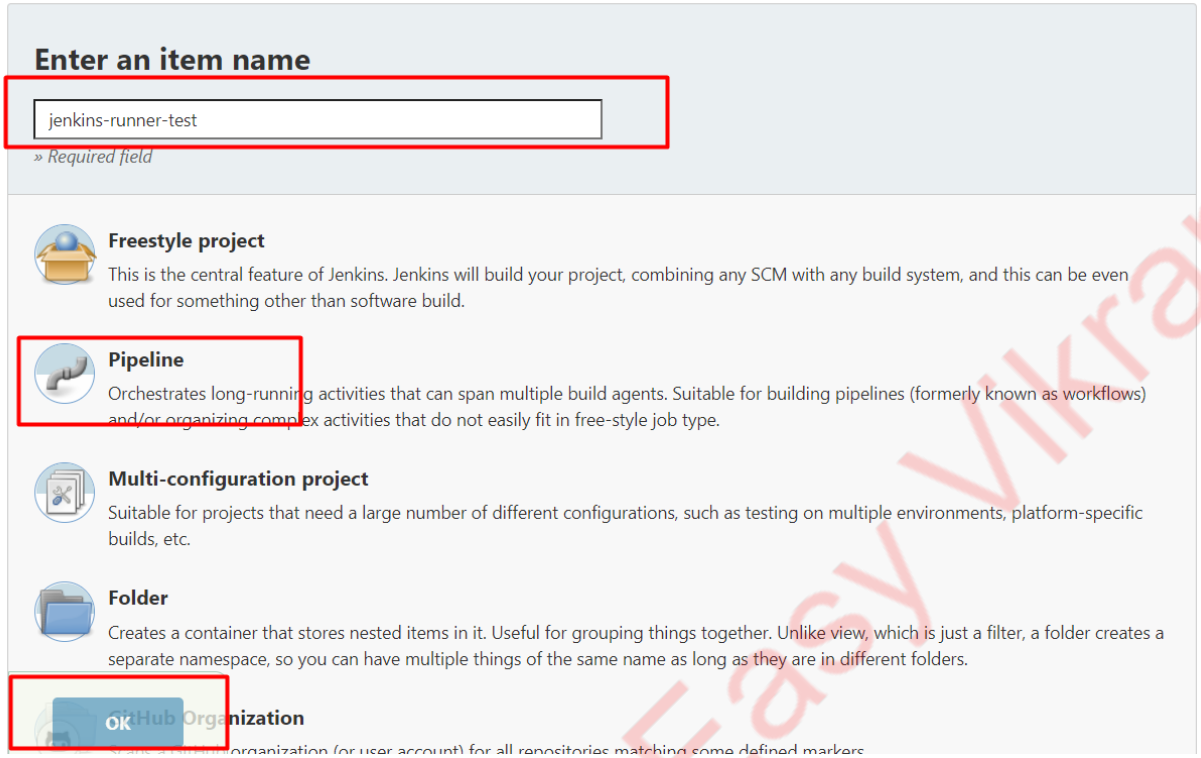
```
{
  "jenkins-runner.jobs": {
    "jenkins-runner-test": {
      "runWith": "jenkins-master",
      "name": "jenkins-runner-test",
      "isDefault": true
    }
  },
  "jenkins-runner.hostConfigs": {
    "jenkins-master": {
      "url": "http://192.168.56.2:8080",
      "user": "admin",
      "password":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

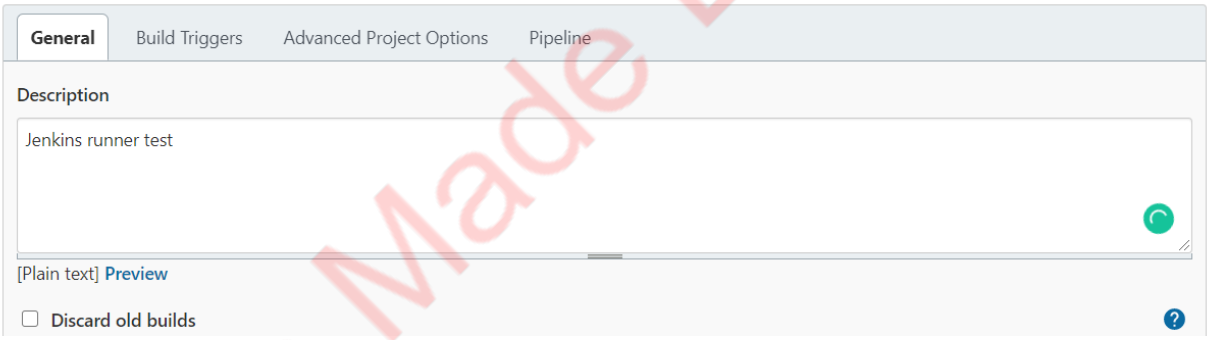
- Add **Jenkins Server URL, username, password** and **Job name** as required
- Job name to be taken from next step

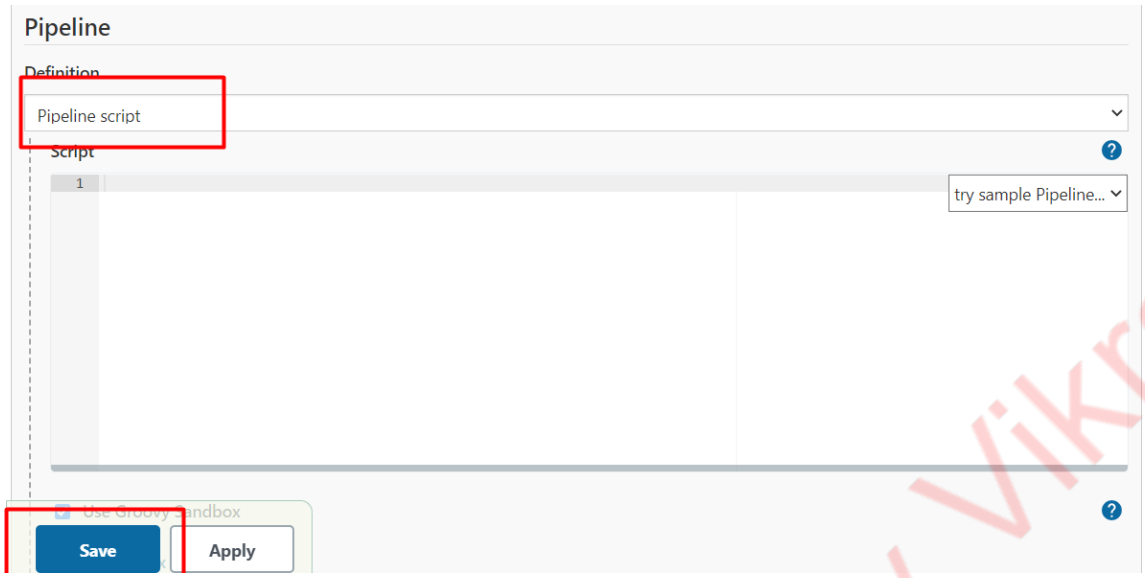


Step4: Create Jenkins pipeline job

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

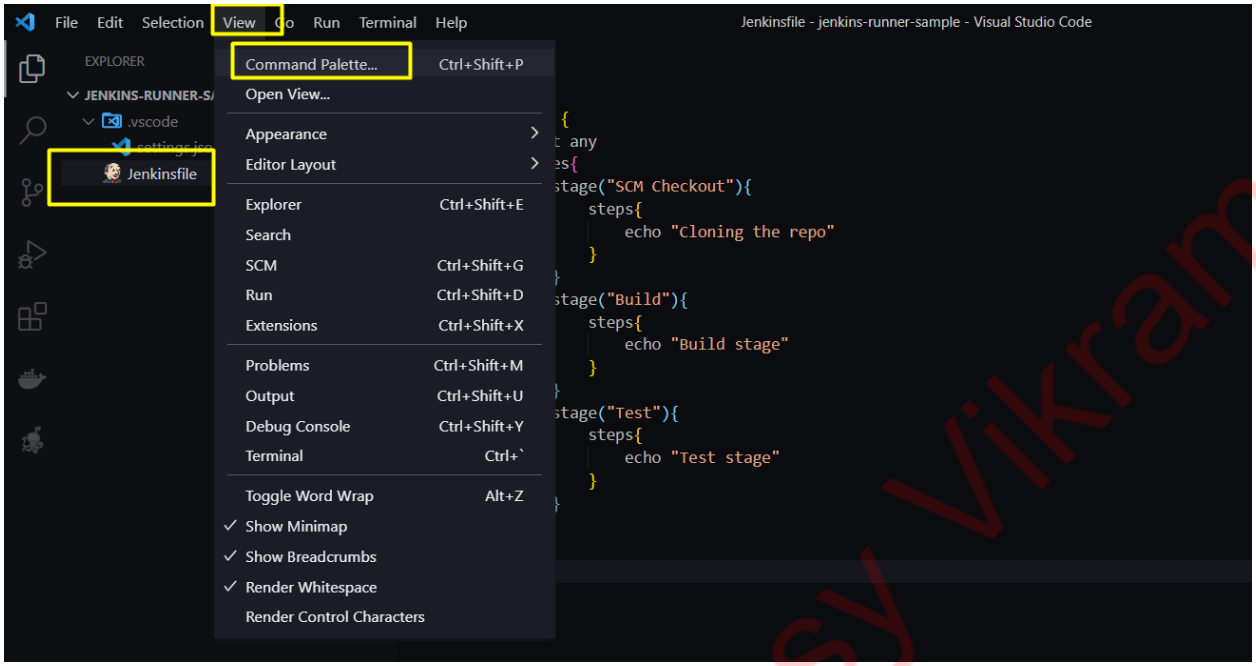




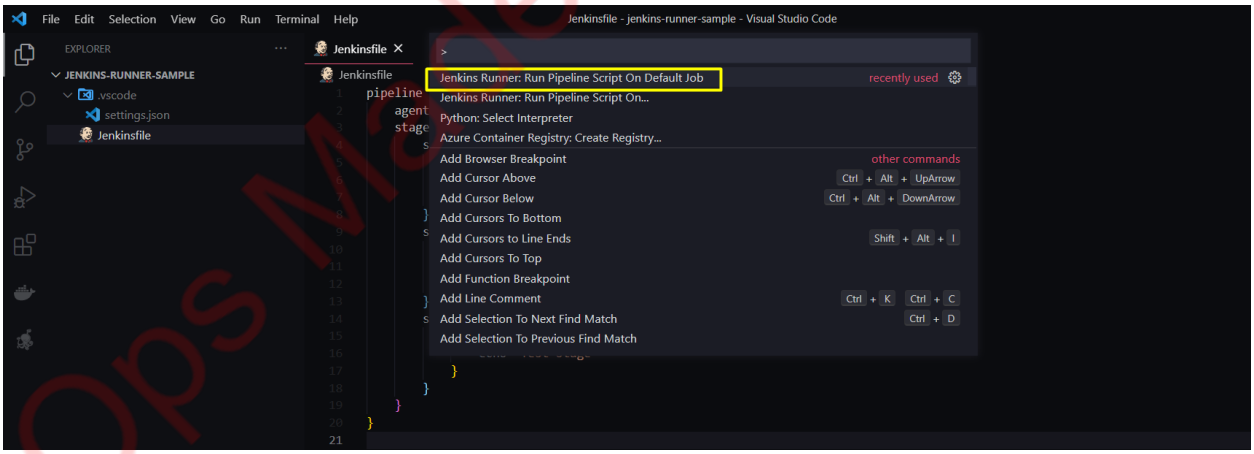


Step5: Run the job from VS code

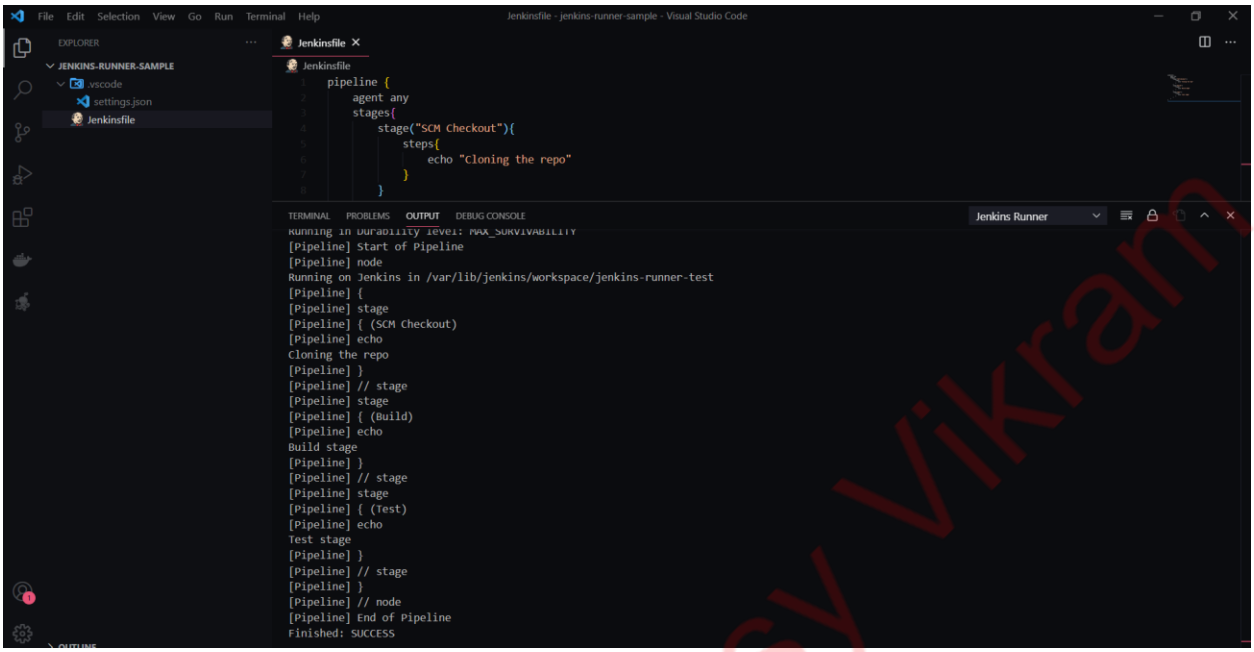
- Select the **Jenkinsfile** on the left pane, click on **view** on the menu bar an select **Command Palette**



- 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