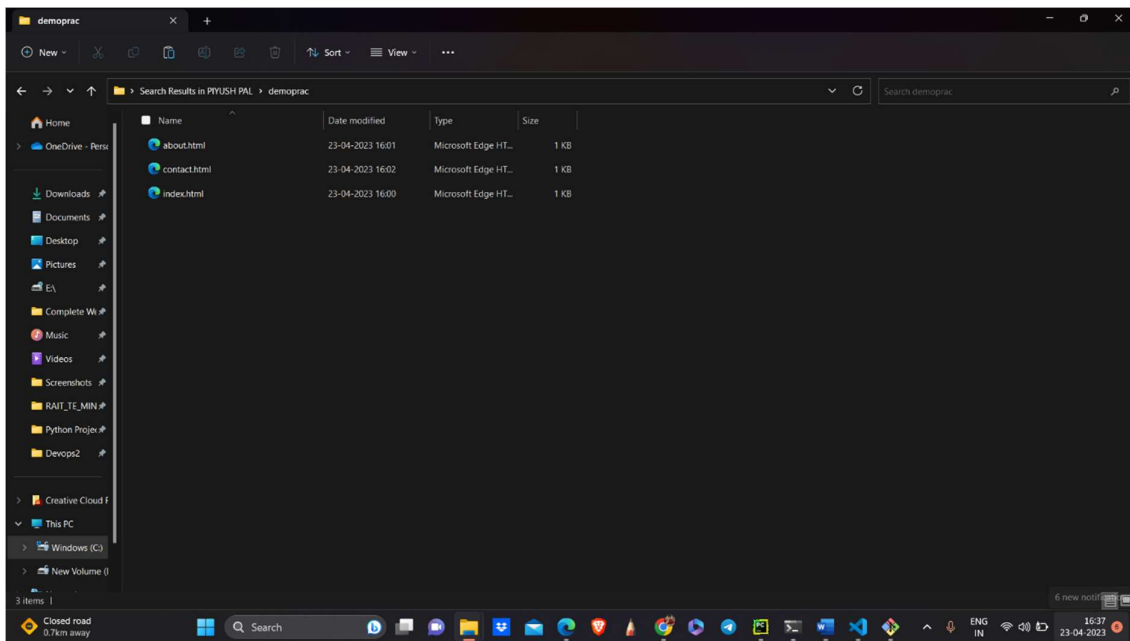


Practical Experiment No. 5

Steps:

Step 1:

1. Create a Folder using mkdir in GitBash. Suppose : demoprcs
2. Command cd demoprcs
3. Navigate the folder and create 3 html files inside it.



4. Create a new repository in your github account. [Here I have created with name Pipeline]

Step 2

- Install Xampp
- Turn on the Apache & Tomcat

Step 3

Give the following commands to push the files into github repository:

```
PIYUSH PAL@LAPTOP-JC4GNI7B MINGW64 ~/demoprac (master)
$ git add index.html contact.html about.html

PIYUSH PAL@LAPTOP-JC4GNI7B MINGW64 ~/demoprac (master)
$ git commit -m "Add index.html, contact.html, about.html"
[master (root-commit) 49a3710] Add index.html, contact.html, about.html
3 files changed, 46 insertions(+)
```

```
create mode 100644 about.html
create mode 100644 contact.html
create mode 100644 index.html
```

```
PIYUSH PAL@LAPTOP-JC4GNI7B MINGW64 ~/demoprac (master)
$ git branch main
```

```
PIYUSH PAL@LAPTOP-JC4GNI7B MINGW64 ~/demoprac (master)
$ git checkout main
Switched to branch 'main'
```

```
PIYUSH PAL@LAPTOP-JC4GNI7B MINGW64 ~/demoprac (main)
$ git remote add origin https://github.com/piyush280612/Pipeline.git
```

```
PIYUSH PAL@LAPTOP-JC4GNI7B MINGW64 ~/demoprac (main)
$ git push origin main
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 8 threads
Compressing objects: 100% (5/5), done.
Writing objects: 100% (5/5), 454 bytes | 454.00 KiB/s, done.
Total 5 (delta 2), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (2/2), done.
To https://github.com/piyush280612/Pipeline.git
 * [new branch]      main -> main
```

Step 4

1. Go to the GitHub repository
2. Add File > Create new file
3. Strictly name your file as “**Jenkinsfile**” only.
4. Write the declarative pipeline script in the box.

```
pipeline {
    agent any

    stages {
        stage('Local Directory Cloning') {
            steps {
                bat 'xcopy /S "C:/Users/nilch/demoprcs/Pipeline\" "C:/xampp/htdocs/practical5\" /Y /I'
            }
        }

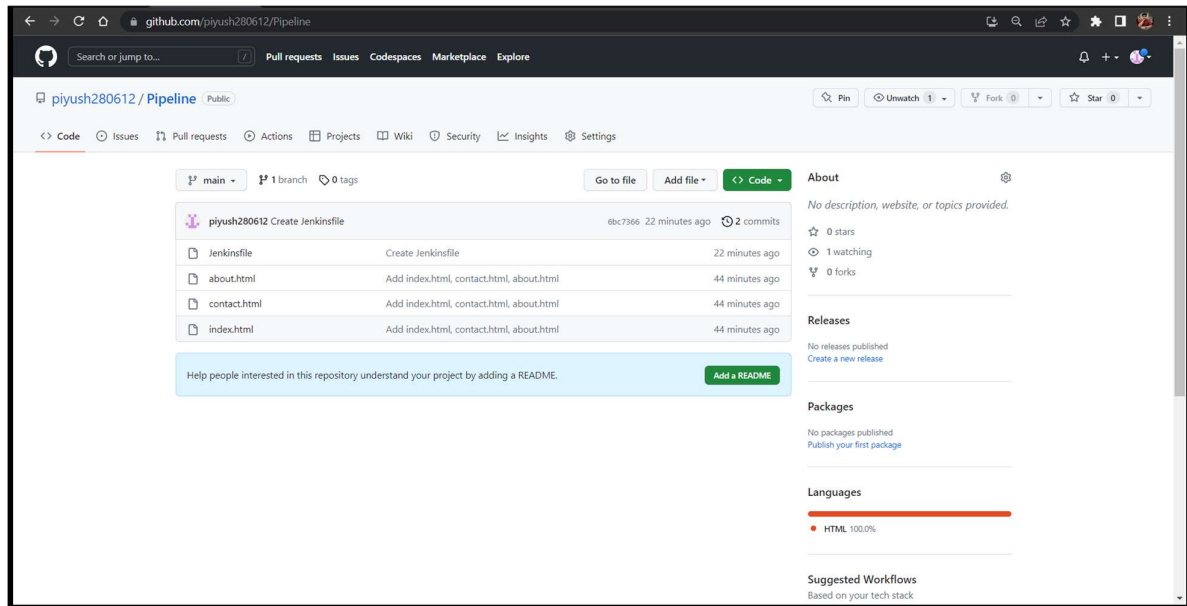
        stage('Confirm') {
            steps {
                echo 'Done!'
            }
        }
    }
}
```

Note:

- In the xcopy command line, Copy your local folder path between the “ ”.
- I have kept the name as practical4, you can change it. While hosting it on localhost, type the same name you kept in script.

5. Then, Commit changes.

Now, the files will be visible in the Pipeline repository of Github



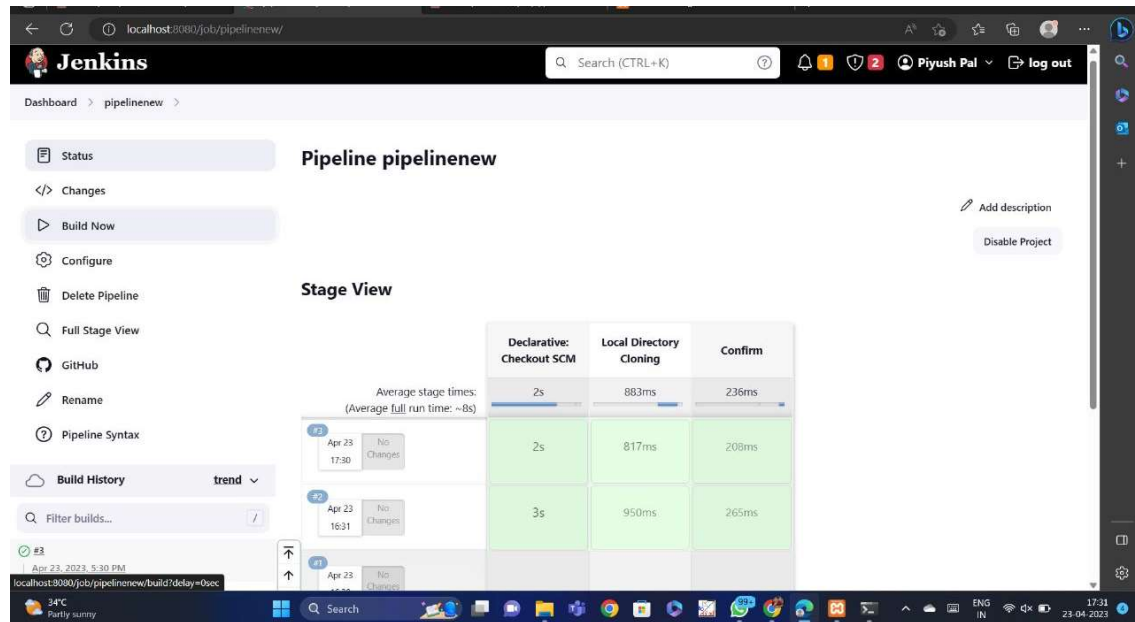
Step 4

1. Open Jenkins.
2. Click on “New Item”
3. Write repository name, here “pipelinenew” and select as Pipeline. Click Create.
4. In the configuration,
 - a. Tick the Checkbox [GitHub Project]
 - b. Paste the URL of your repository
5. Now scroll down, in the definition
6. Select **Pipeline Script from SCM**
7. Under SCM select **Git**
8. Paste the URL of the repo again in the Repository URL section.
9. Select your branch accordingly inside the **Branches to Build** section. Here it is main.
10. Script Path: **Jenkinsfile**
11. Tick the checkbox “Lightweight Cgeckout”
12. Save the changes

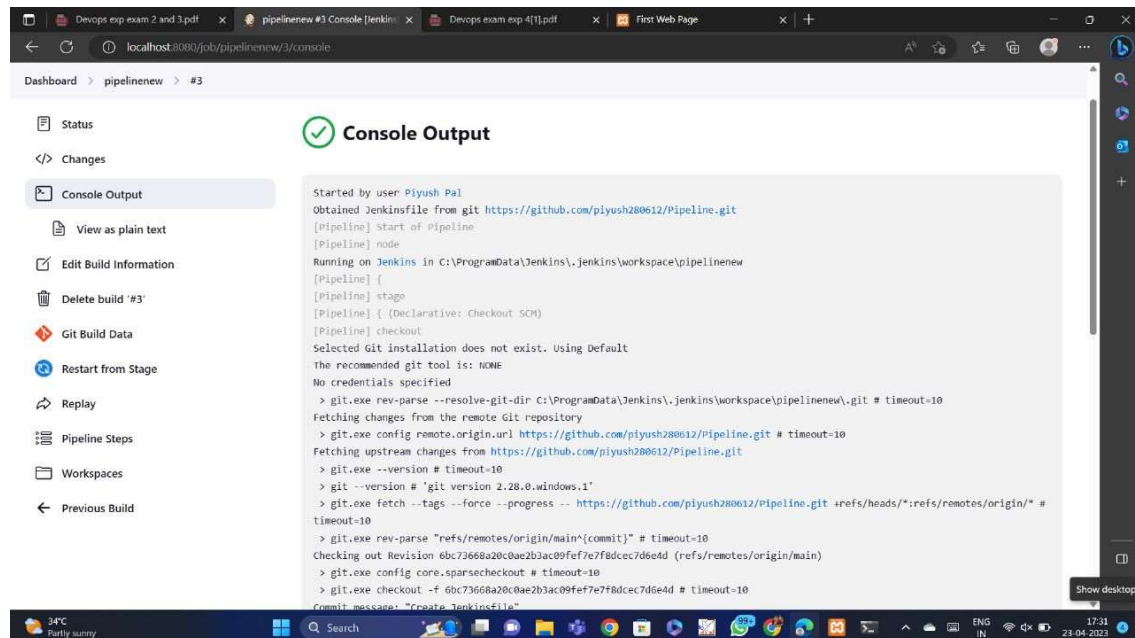
Step 5

1. Click on the “Build Now”

The output will look like this:



2. For detailed view click on the #2(here) > console output.



3. Lastly, open a new tab and then navigate to the localhost you kept for the file

[Here, localhost/practical5/]

