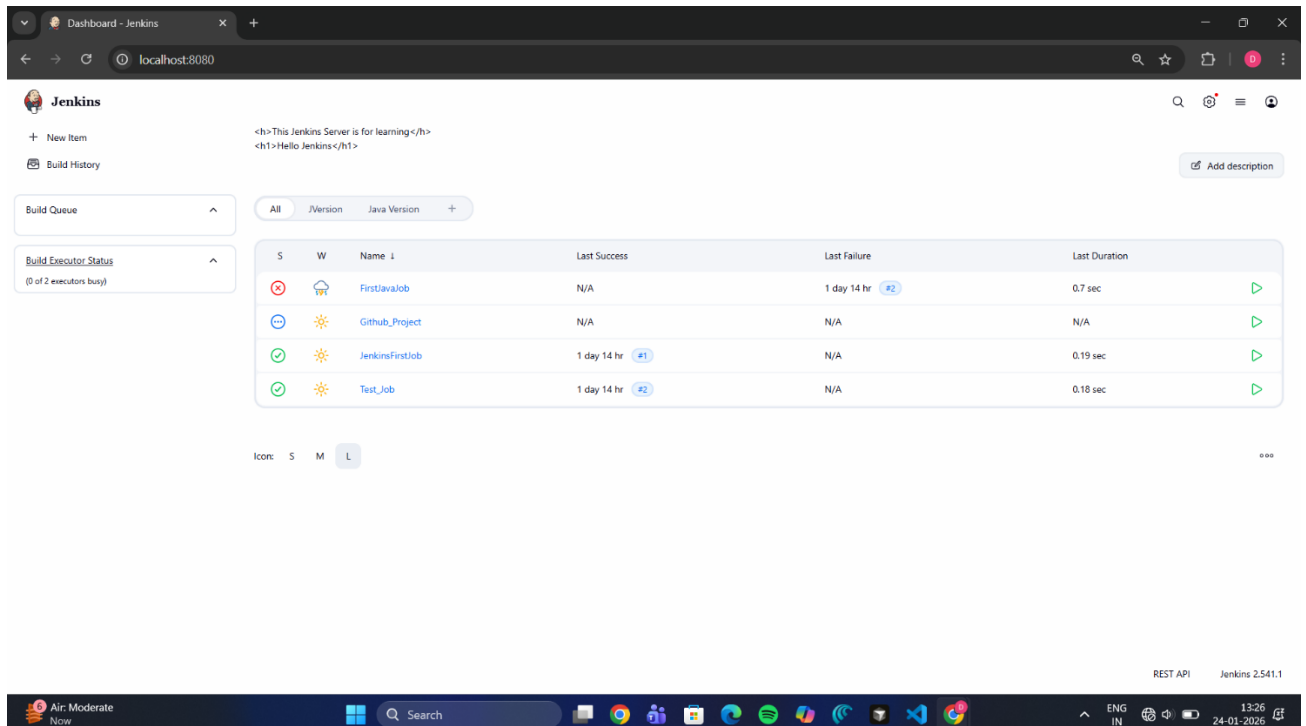


Steps to Create a Freestyle Project in Jenkins:-

1. Open a web browser and launch **Jenkins** by entering `http://localhost:8080` in the address bar and log in using valid credentials.
2. On the Jenkins dashboard, click on **New Item** from the left-hand menu.
3. Enter a suitable name for the job in the **Item name** field.
4. Select **Freestyle project** from the available options and click **OK**.
5. In the **General** section, optionally add a short description for the project.
6. In the **Source Code Management** section, select **None** (do not choose Git or any other SCM).
7. In the **Build Triggers** section, either leave it unchecked for manual execution or select **Build periodically** if automatic execution is required.
8. Scroll down to the **Build** section and click on **Add build step**.
9. Choose **Execute Shell** (for Linux/macOS) or **Execute Windows batch command** (for Windows).
10. Enter the required commands or script to be executed during the build.
11. Click on **Save** to store the project configuration.
12. From the project page, click **Build Now** to execute the Freestyle project.
13. Click on the build number generated and select **Console Output** to view the execution result.

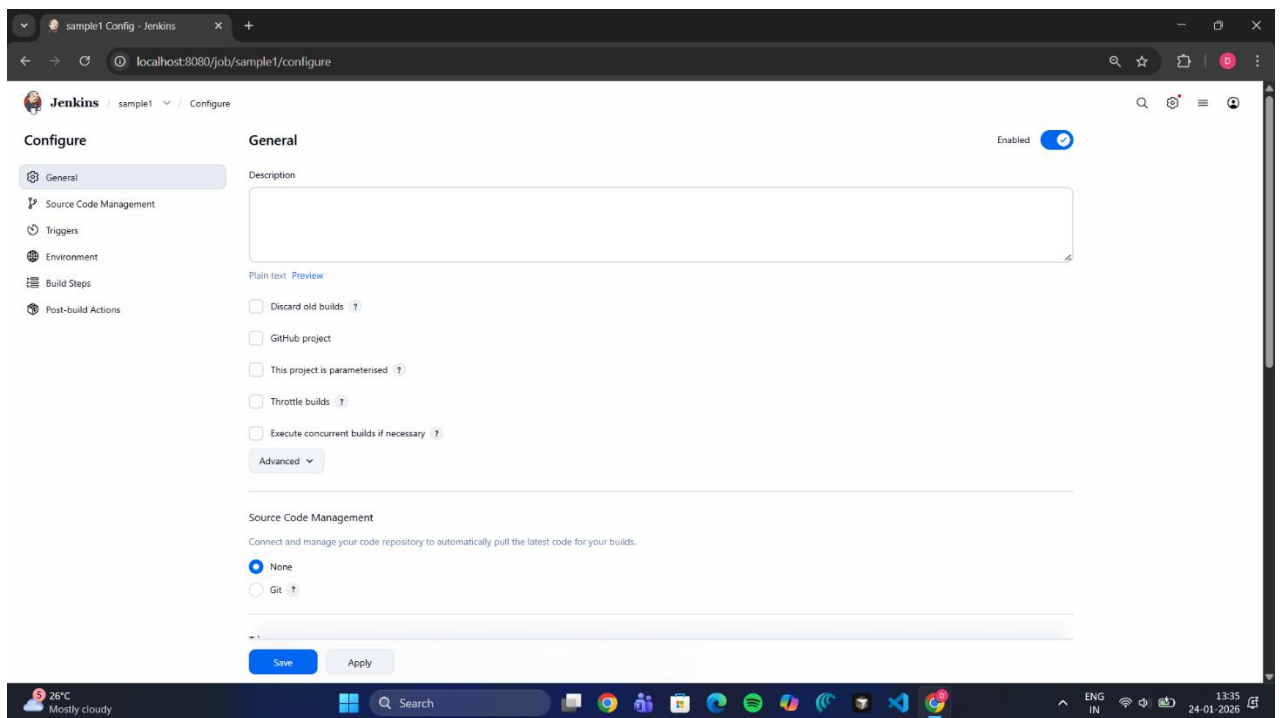
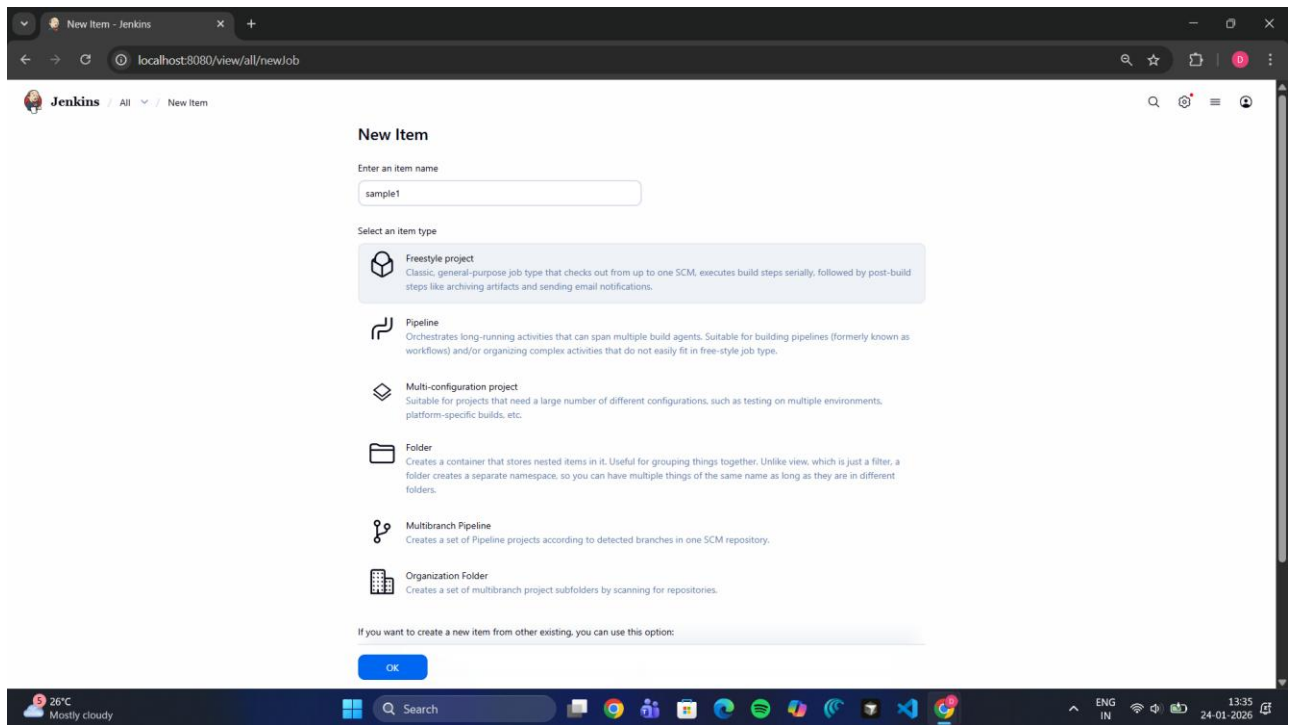
Screenshots:-

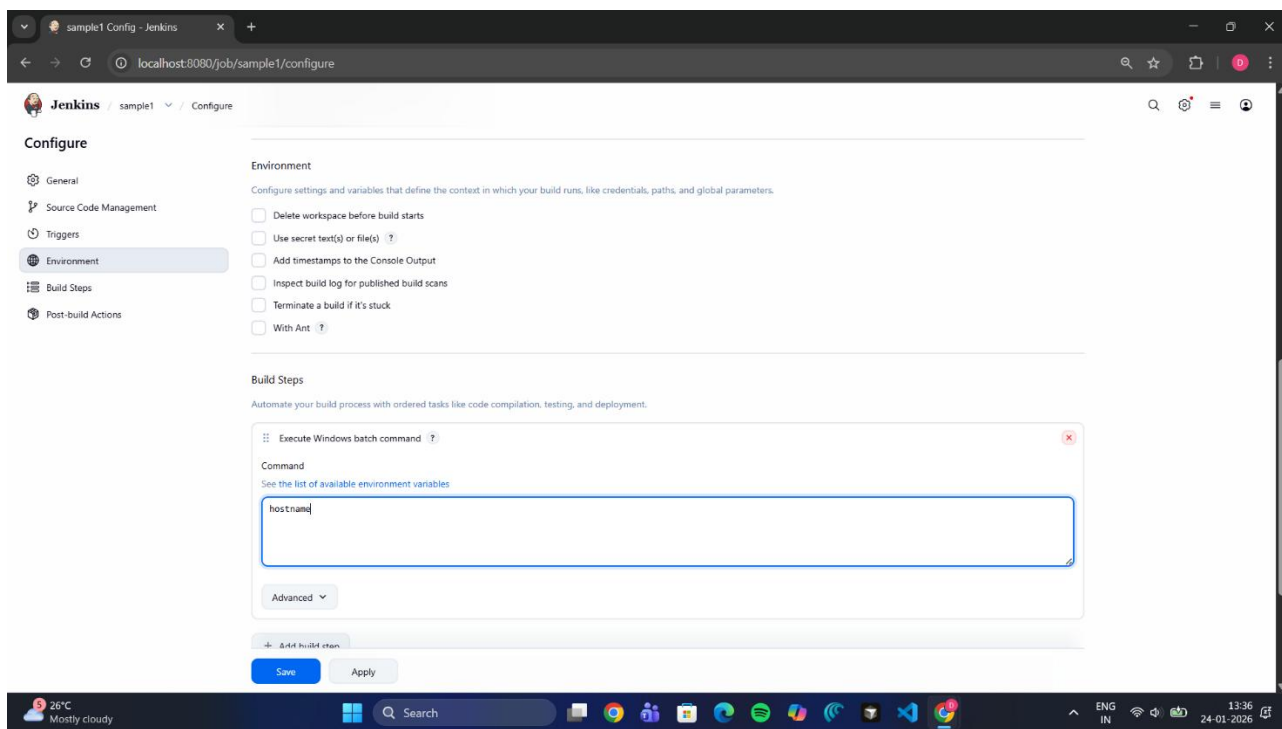
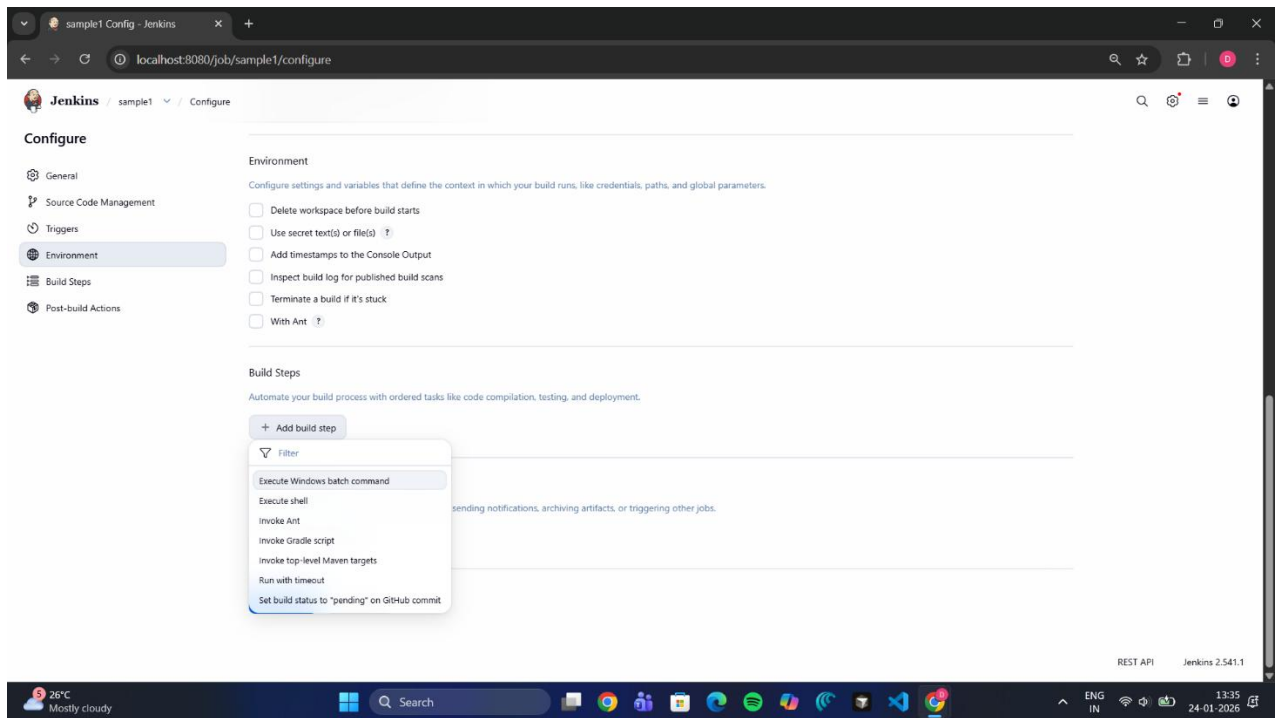


The screenshot displays the Jenkins dashboard in a web browser. The browser's address bar shows `localhost:8080`. The Jenkins dashboard includes a left-hand menu with options like 'New Item' and 'Build History'. The main area shows a table of jobs with columns for status, name, last success, last failure, and last duration. The jobs listed are 'FirstJavaJob', 'Github_Project', 'JenkinsFirstJob', and 'Test_Job'. The 'JenkinsFirstJob' and 'Test_Job' have successful builds, while 'FirstJavaJob' and 'Github_Project' have failed builds. The 'Test_Job' build is currently running, indicated by a green progress bar.

S	W	Name	Last Success	Last Failure	Last Duration
✖	☁	FirstJavaJob	N/A	1 day 14 hr #2	0.7 sec
☁	☀	Github_Project	N/A	N/A	N/A
✔	☀	JenkinsFirstJob	1 day 14 hr #1	N/A	0.19 sec
✔	☀	Test_Job	1 day 14 hr #2	N/A	0.18 sec

REST API Jenkins 2.541.1





Jenkins

sample1

Status

Changes

Workspace

Build Now

Configure

Delete Project

Rename

sample1

Permalinks

Add description

Builds >

No builds

<h1>Hello Jenkins</h1>

Add description

AllJVersionJava Version+

S	W	Name	Last Success	Last Failure	Last Duration
		FirstJavaJob	N/A	1 day 14 hr #2	0.7 sec
		Github_Project	N/A	N/A	N/A
		JenkinsFirstJob	1 day 14 hr #1	N/A	0.19 sec
		sample1	N/A	N/A	N/A
		Test_Job	1 day 14 hr #2	N/A	0.18 sec

Icon: S M L

Jenkins

sample1

Status

Changes

Workspace

Build Now

Configure

Delete Project

Rename

sample1

Permalinks

Add description

Builds >

No builds



Jenkins / sample1



Status



Changes



Workspace



Build Now



Configure



Delete Project



Rename

sample1

Permalinks

Builds > ...

Today

- #2 13:37
- #1 13:37

Builds > ...

Today

- #2 13:37
- #1 13:37

sample1 - Jenkins

localhost:8080/job/sample1/

Jenkins

sample1

Status

Changes

Workspace

Build Now

Configure

Delete Project

Rename

sample1

Permalinks

Last build (#2), 1 min 0 sec ago

Last stable build (#2), 1 min 0 sec ago

Last successful build (#2), 1 min 0 sec ago

Last completed build (#2), 1 min 0 sec ago

Builds >

Filter

Today

#2 13:37

#1 13:37

sample1 - Jenkins

localhost:8080/job/sample1/

Jenkins

sample1

Status

Changes

Workspace

Build Now

Configure

Delete Project

Rename

sample1

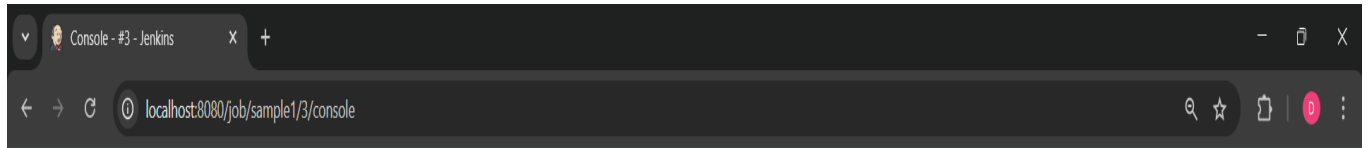
Permalinks

Builds >

Today

#2 13:37

#1 13:37



- Status
- Changes
- Console Output
- Edit Build Information
- Delete build '#3'
- Timings
- Previous Build

Console

Download Copy View as plain text

```
Started by user Divyansh Singh
Running as SYSTEM
Building in workspace C:\ProgramData\Jenkins\jenkins\workspace\sample1
[sample1] $ cmd /c call C:\WINDOWS\TEMP\jenkins8604268176895020331.bat

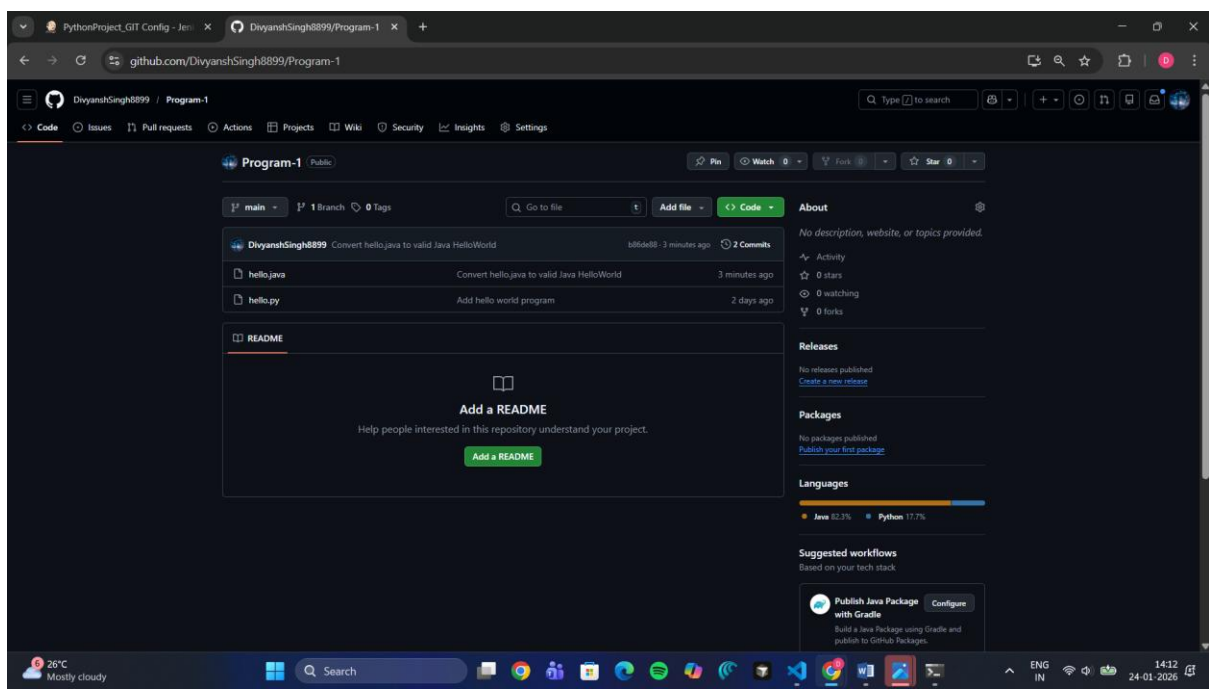
C:\ProgramData\Jenkins\jenkins\workspace\sample1>hostname
DESKTOP-HP98552

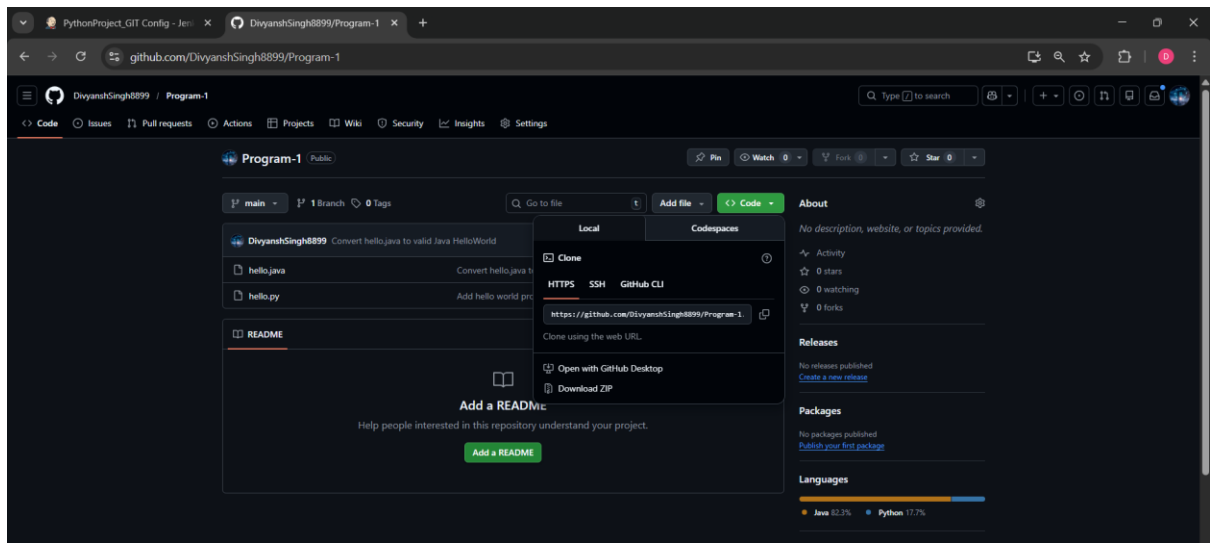
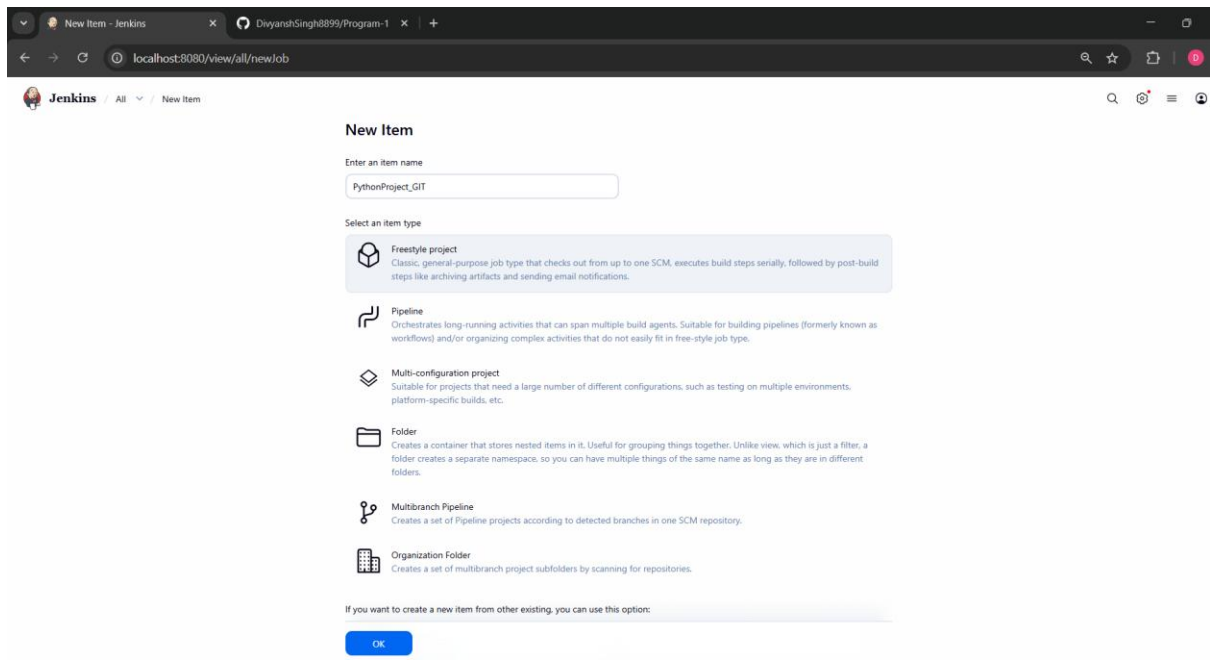
C:\ProgramData\Jenkins\jenkins\workspace\sample1>exit 0
Finished: SUCCESS
```

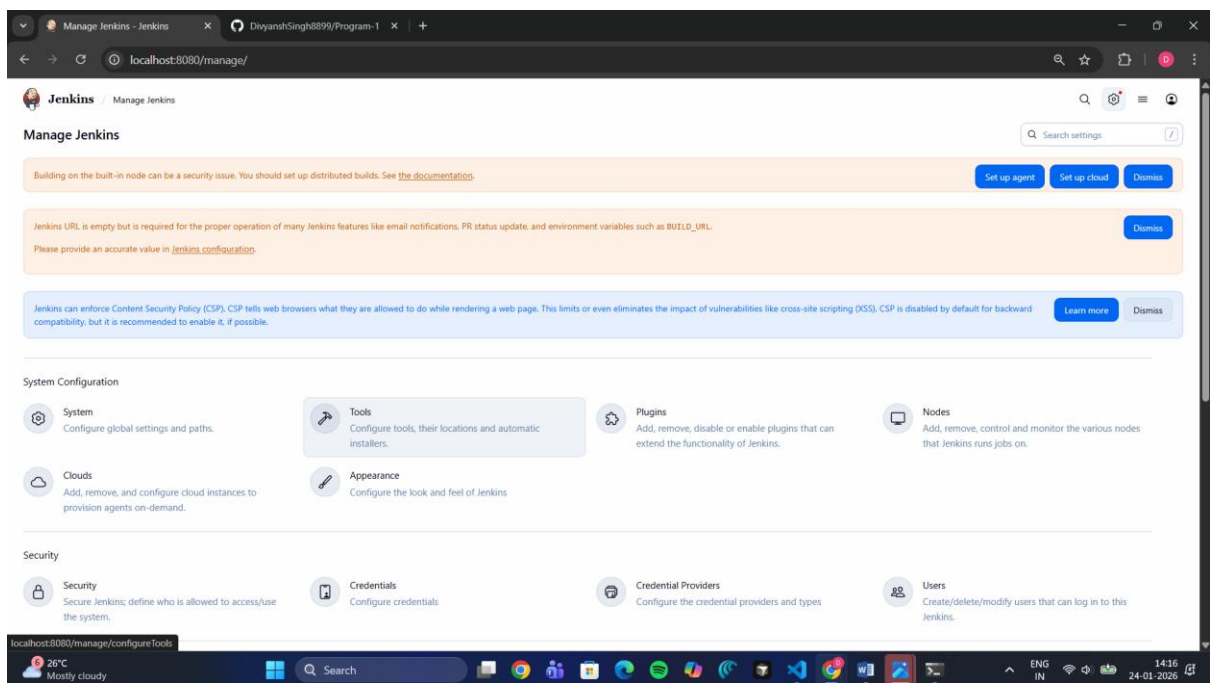
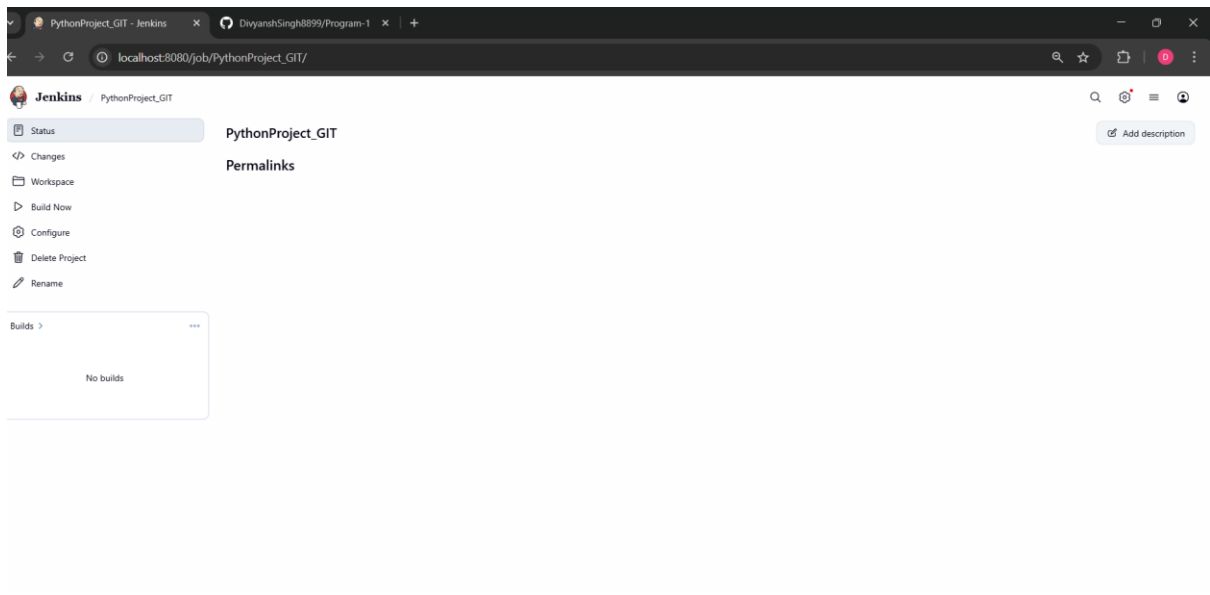
Steps for Building a Python Application from GitHub Using Jenkins

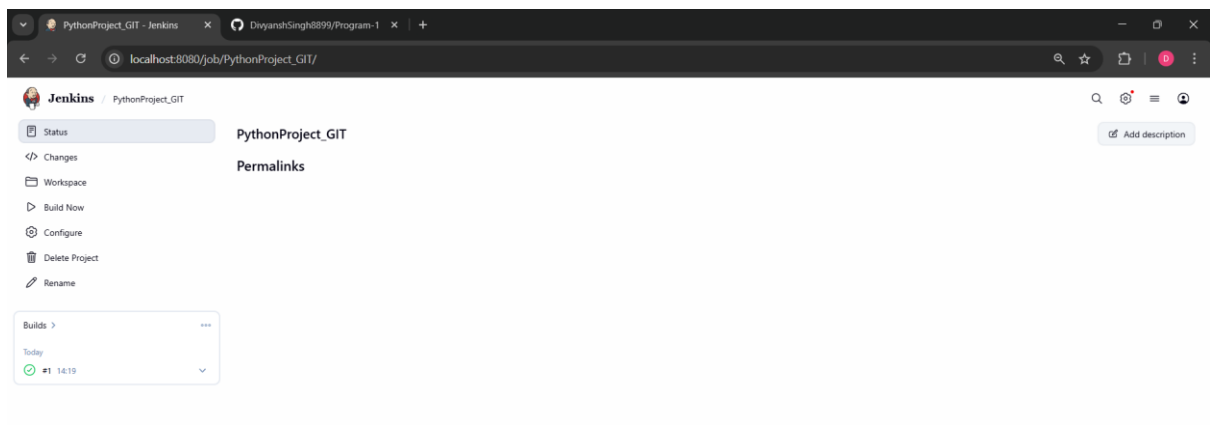
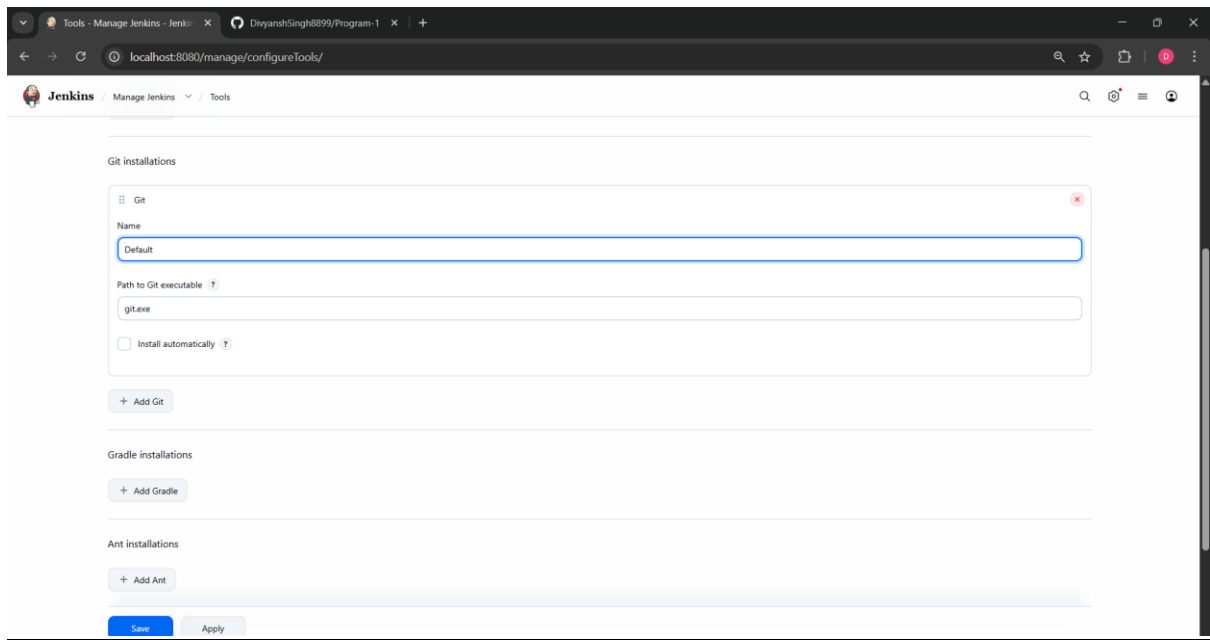
1. Open a web browser and launch **Jenkins** by entering `http://localhost:8080` and log in with valid credentials.
2. On the Jenkins dashboard, click on **New Item**.
3. Enter a suitable **job name** and select **Freestyle project**, then click **OK**.
4. In the **General** section, add a description for the project if required.
5. In the **Source Code Management** section, select **Git**.
6. Enter the **GitHub repository URL** of the Python application and provide credentials if the repository is private.
7. In the **Branch Specifier**, specify the branch to be built (for example, `main` or `master`).
8. In the **Build Environment** section, ensure that Python is installed on the Jenkins system and configure environment variables if required.
9. Scroll to the **Build** section and click **Add build step**.
10. Select **Execute Shell** (Linux/macOS) or **Execute Windows batch command** (Windows).
11. Enter the commands to install dependencies and run the Python application, for example:
 - Install required packages using `pip`
 - Execute the Python script using `python app.py`
12. Click **Save** to store the job configuration.
13. From the project page, click **Build Now** to start the build process.
14. After the build completes, click the build number and open **Console Output** to verify the successful execution of the Python application.

Screenshots:-









PythonProject_GIT #1 - Jenkins

DivyanshSingh8899/Program-1

localhost:8080/job/PythonProject_GIT/1/

Jenkins

PythonProject_GIT

#1

Status

Changes

Console Output

Edit Build Information

Delete build #1

Timings

Git Build Data

✓ #1 (24 Jan 2026, 14:19:34)

Started by user Divyansh Singh

This run spent:

- 19 ms waiting;
- 9.7 sec build duration;
- 9.7 sec total from scheduled to completion.

Revision: b66de886027449722fa5523c5caf2f349fcc975

Repository: <https://github.com/DivyanshSingh8899/Program-1.git>

- refs/remotes/origin/main

</>

No changes.

Add description

Keep this build forever

Started 1 min 24 sec ago

Took 9.7 sec

Workspace of PythonProject_GIT

DivyanshSingh8899/Program-1

localhost:8080/job/PythonProject_GIT/ws/

Jenkins

PythonProject_GIT

Workspace of PythonProj...

Status

Changes

Workspace

Wipe Out Current Workspace

Build Now

Configure

Delete Project

Rename

Workspace of PythonProject_GIT on Built-In Node

PythonProject_GIT /

git

hello.class

24 Jan 2026, 14:19:42

417 B

hello.java

24 Jan 2026, 14:19:37

112 B

hello.py

24 Jan 2026, 14:19:37

24 B

(all files in zip)

Builds >

Filter

/

Today

✓ #1 14:19

The screenshot shows a web browser window displaying the Jenkins console output for a build named 'PythonProject_GIT'. The browser's address bar shows 'localhost:8080/job/PythonProject_GIT/1/console'. The Jenkins interface includes a sidebar with navigation links like 'Status', 'Changes', 'Console Output', 'Edit Build Information', 'Delete build #1', 'Timings', and 'Git Build Data'. The main area is titled 'Console' and contains the following text:

```
Started by user Divyansh Singh
Running as SYSTEM
Building in workspace C:\ProgramData\Jenkins\jenkins\workspace\PythonProject_GIT
The recommended git tool is: NONE
using credential 7a7ec16b-38e7-4505-a748-0ea763114d69
Cloning the remote Git repository
Cloning repository https://github.com/DivyanshSingh8899/Program-1.git
> git.exe init C:\ProgramData\Jenkins\jenkins\workspace\PythonProject_GIT # timeout=10
Fetching upstream changes from https://github.com/DivyanshSingh8899/Program-1.git
> git.exe --version # timeout=10
> git --version # 'git version 2.47.0.windows.2'
using GIT_ASKPASS to set credentials
> git.exe fetch --tags --force --progress -- https://github.com/DivyanshSingh8899/Program-1.git +refs/remotes/origin/* # timeout=10
> git.exe config remote.origin.url https://github.com/DivyanshSingh8899/Program-1.git # timeout=10
> git.exe config --add remote.origin.fetch +refs/heads/*:refs/remotes/origin/* # timeout=10
Avoid second fetch
> git.exe rev-parse "refs/remotes/origin/main^{commit}" # timeout=10
Checking out Revision b86de886027449722fa4523c5caf2ff349fcc975 (refs/remotes/origin/main)
> git.exe config core.sparsecheckout # timeout=10
> git.exe checkout -f b86de886027449722fa4523c5caf2ff349fcc975 # timeout=10
Commit message: "Convert hello.java to valid Java HelloWorld"
First time build. Skipping changelog.
[PythonProject_GIT] $ cmd /c call C:\WINDOWS\TEMP\jenkins4607668989287218909.bat

C:\ProgramData\Jenkins\jenkins\workspace\PythonProject_GIT>javac hello.java

C:\ProgramData\Jenkins\jenkins\workspace\PythonProject_GIT>java hello
Hello, World!

C:\ProgramData\Jenkins\jenkins\workspace\PythonProject_GIT>exit 0
Finished: SUCCESS
```