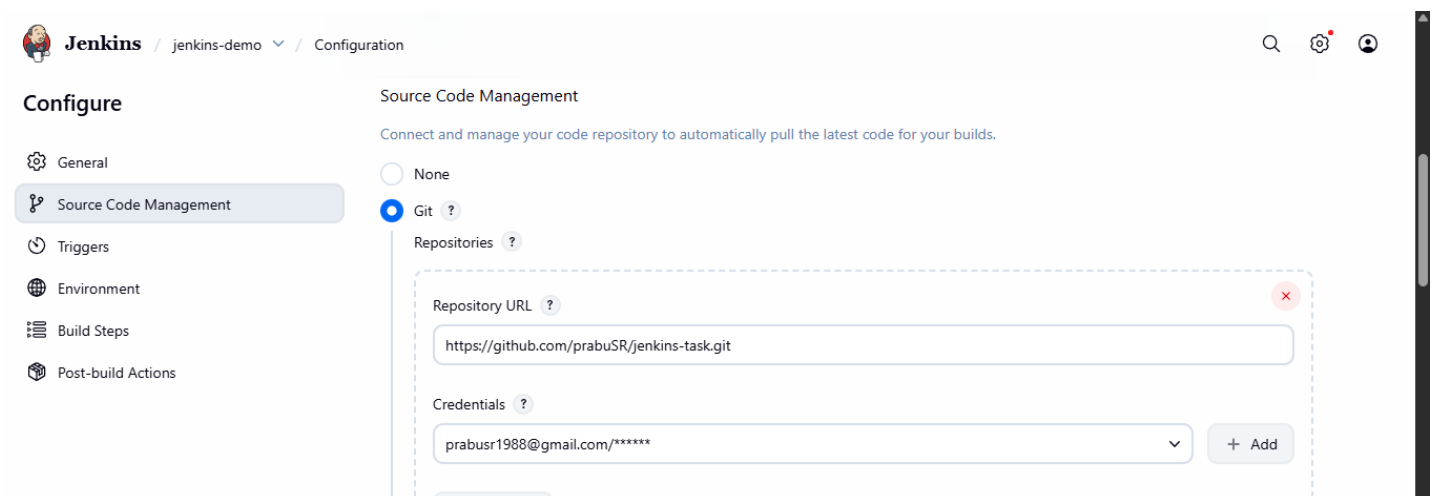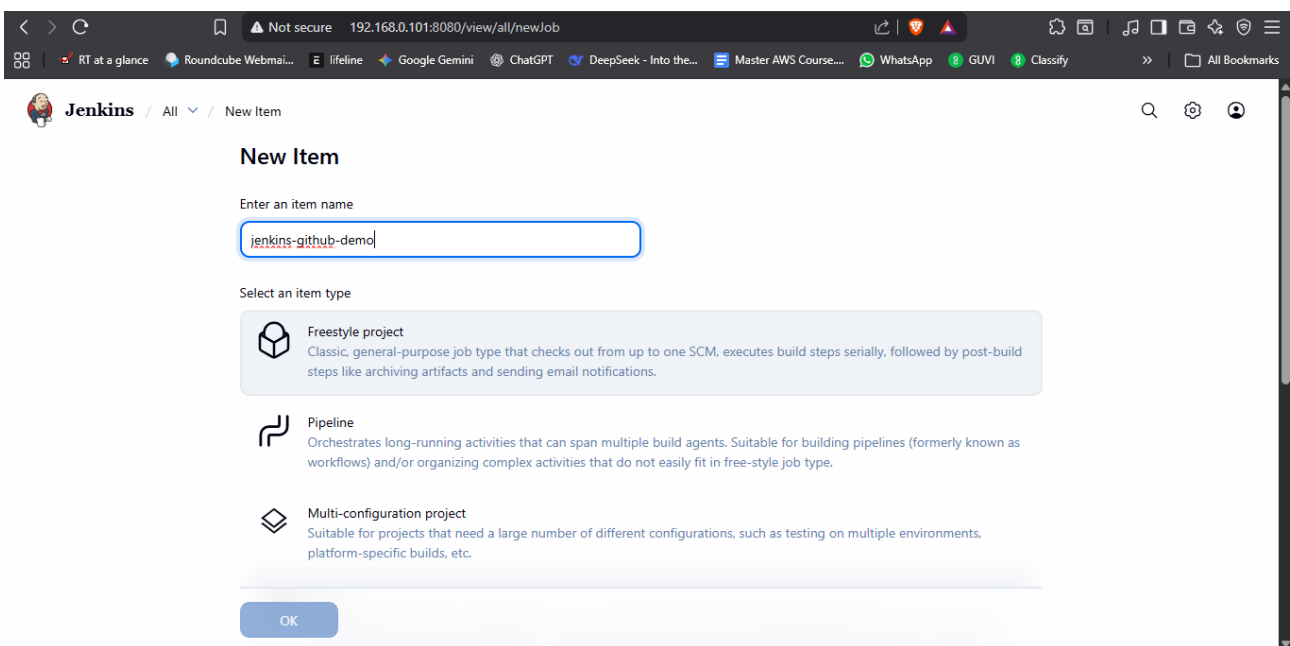# Jenkins Task-2

Task Description:

Create a simple script file and push it to repo. Create a project in Jenkins connected to your GitHub repository. When a commit is made to your repo, automatically build must get triggered from Jenkins and the output must be shared to me via email.

1. i created a new repository in github **https://github.com/prabuSR/jenkins-task.git**

2. i created a +newitem (job) in jenkins as **jenkins-demo**

Configure

- ⚙ General
- ⌥ Source Code Management
- ⏱ Triggers
- 🌐 Environment
- ☰ **Build Steps**
- 📦 Post-build Actions

Build Steps

Automate your build process with ordered tasks like code compilation, testing, and deployment.

☰ **Execute Windows batch command** ?   ✕

Command

See the list of available environment variables

```
echo "Build triggered by GitHub commit"
echo "Current time: %DATE% %TIME%" > build-output.txt
```

Advanced ⌄

＋ Add build step

Save Apply

Configure

- ⚙ General
- ⌥ Source Code Management
- ⏱ Triggers
- 🌐 Environment
- ☰ Build Steps
- 📦 **Post-build Actions**

Post-build Actions

Define what happens after a build completes, like sending notifications, archiving artifacts, or triggering other jobs.

☰ **Editable Email Notification** ?   ✕

Allows the user to disable the publisher, while maintaining the settings

☐ Disable Extended Email Publisher ?

Project From

Project Recipient List ?

Comma-separated list of email address that should receive notifications for this project.

prabusr1988@gmail.com

Configure

- ⚙ General
- ⌥ Source Code Management
- ⏱ Triggers
- 🌐 Environment
- ☰ Build Steps
- 📦 **Post-build Actions**

Project Reply-To List ?

Comma-separated list of email address that should be in the Reply-To header for this project.

```
$DEFAULT_REPLYTO
```

Content Type ?

Default Content Type ⌄

Default Subject ?

Build ${BUILD_STATUS}: ${JOB_NAME} #${BUILD_NUMBER}

Default Content ?

```
The build has finished.
Status: ${BUILD_STATUS}
Check console output at ${BUILD_URL}
```

Configure

- ⚙ General
- ⌥ Source Code Management
- ⏱ Triggers
- 🌐 Environment
- ☰ Build Steps
- ⬡ **Post-build Actions**

Advanced Settings ∧

Pre-send Script ?

$DEFAULT_PRESEND_SCRIPT

Post-send Script ?

$DEFAULT_POSTSEND_SCRIPT

Additional groovy classpath ?

＋ Add

☐ Save to Workspace ?

Configure

- ⚙ General
- ⌥ Source Code Management
- ⏱ Triggers
- 🌐 Environment
- ☰ Build Steps
- ⬡ **Post-build Actions**

☰ **Failure - Any** ?   ✕

Send To

☰ **Developers** ?   ✕

＋ Add

Advanced ∨

☰ **Success** ?   ✕

Send To

☰ **Recipient List** ?   ✕

＋ Add

Configure

- ⚙ General
- ⌥ Source Code Management
- ⏱ Triggers
- 🌐 Environment
- ☰ Build Steps
- ⬡ **Post-build Actions**

☰ **Recipient List** ?   ✕
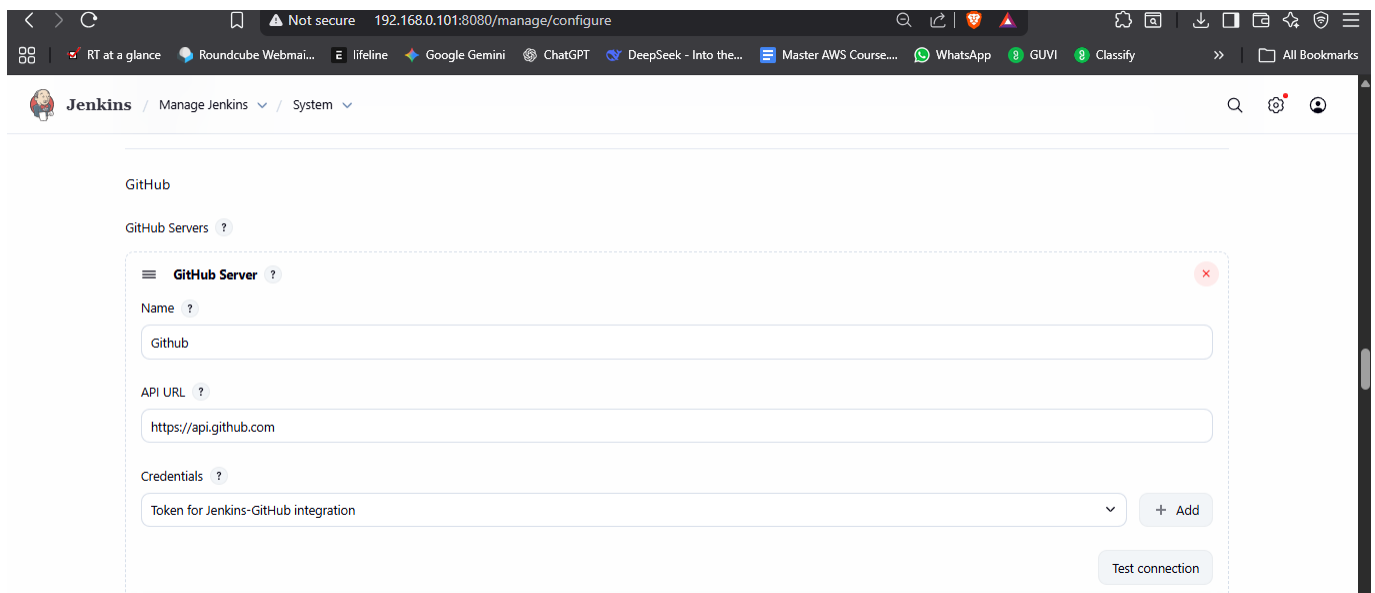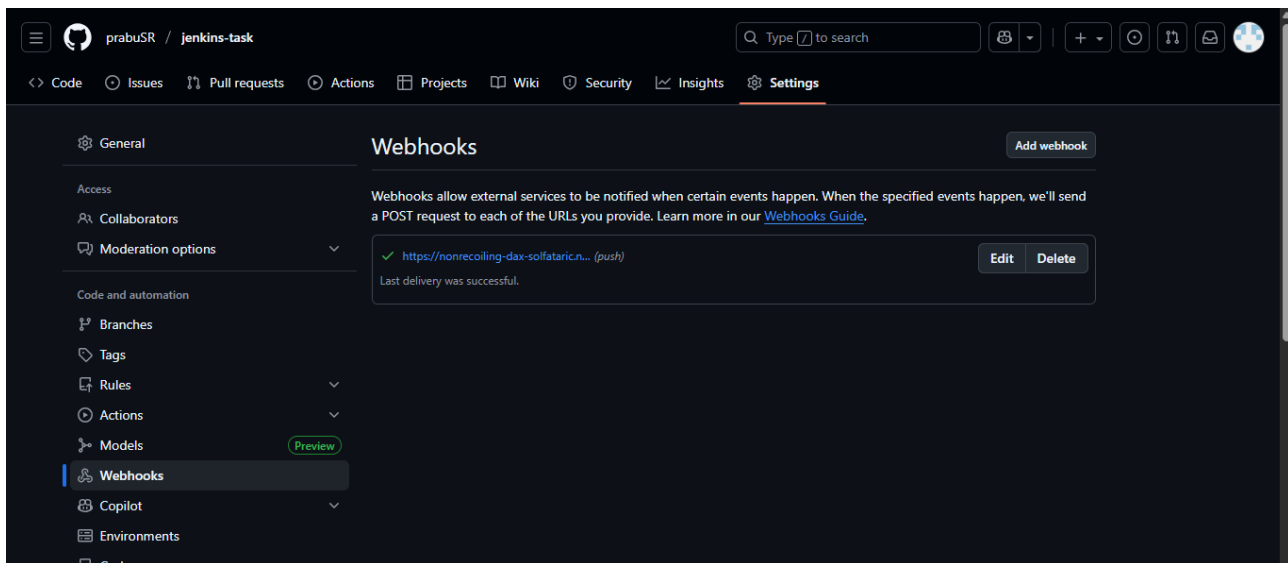
＋ Add

Advanced ∨

＋ Add Trigger

＋ Add post-build action

[Save] [Apply]

4. configure jenkins system setting -> go to manage jenkins

5. meanwhile i configured webhook in github as i run my jenkins in localhost, it will not sync with github , so i used to install ranok to convert localhost to online with new online link in port 8080

Extended E-mail Notification

SMTP server

```
smtp.gmail.com
```

SMTP Port

```
465
```

[Advanced ∨] ✎ Edited

Default user e-mail suffix ?

Default Subject ?

```
$PROJECT_NAME - Build # $BUILD_NUMBER - $BUILD_STATUS!
```

Maximum Attachment Size ?

```
-1
```

Default Content ?

```
$PROJECT_NAME - Build # $BUILD_NUMBER - $BUILD_STATUS:

Check console output at $BUILD_URL to view the results.
```

Default Pre-send Script ?

```
smtp.gmail.com
```

SMTP Port

```
465
```

[Advanced ∧] ✎ Edited

Credentials

```
prabusr1988@gmail.com/******                    ∨
```
[+ Add]

☑ Use SSL

☐ Use TLS

☐ Use OAuth 2.0

Advanced Email Properties

```
prabusr1988@gmail.com
```

E-mail Notification

SMTP server

smtp.gmail.com

Default user e-mail suffix ?

@gmail.com

Advanced ∧   ✏ Edited

☑ Use SMTP Authentication ?
User Name

prabusr1988@gmail.com

Password

🔒 Concealed   Change Password

---

prabusr1988@gmail.com

Password

🔒 Concealed   Change Password

☐ Use SSL ?
☑ Use TLS

SMTP Port ?

587

Reply-To Address

prabusr1988@gmail.com

Charset

UTF-8

☐ Test configuration by sending test e-mail

Save   Apply

---

5. i tryied to push a demo.txt file in github.com

6. it was triggerd in jenkins and i receive a gmail notification of that build log

+ New Item
🖾 Build History

Build History of Jenkins

Build Queue   ⌄
No builds in the queue.

Build Executor Status   ∧
(0 of 2 executors busy)

S	Build	Time Since ↑	Status	
✅	jenkins-demo #5	1 hr 13 min	stable	>_
✅	jenkins-demo #4	1 hr 22 min	stable	>_
✅	jenkins-demo #3	2 hr 38 min	stable	>_
✅	jenkins-demo #2	2 hr 54 min	stable	>_
✅	jenkins-demo #1	3 hr 16 min	stable	>_

Icon: S M L   ○○○

Console Output

Download   Copy   View as plain text

```
Started by GitHub push by prabuSR
Running as SYSTEM
Building in workspace C:\ProgramData\Jenkins\.jenkins\workspace\jenkins-demo
The recommended git tool is: NONE
using credential 12ef80d2-7acd-4a84-9612-10244f87ccf9
 > git.exe rev-parse --resolve-git-dir C:\ProgramData\Jenkins\.jenkins\workspace\jenkins-demo\.git # timeout=10
Fetching changes from the remote Git repository
 > git.exe config remote.origin.url https://github.com/prabuSR/jenkins-task.git # timeout=10
Fetching upstream changes from https://github.com/prabuSR/jenkins-task.git
 > git.exe --version # timeout=10
 > git --version # 'git version 2.52.0.windows.1'
using GIT_ASKPASS to set credentials
 > git.exe fetch --tags --force --progress -- https://github.com/prabuSR/jenkins-task.git +refs/heads/*:refs/remotes/origin/* # timeout=10
 > git.exe rev-parse "refs/remotes/origin/main^{commit}" # timeout=10
Checking out Revision 4f618607c99d44e3075a17a6a8c7d2636653f1f2 (refs/remotes/origin/main)
 > git.exe config core.sparsecheckout # timeout=10
 > git.exe checkout -f 4f618607c99d44e3075a17a6a8c7d2636653f1f2 # timeout=10
Commit message: "Update demo333.txt"
 > git.exe rev-list --no-walk f8d50f2e93467b4efaf228ea080ce3a03dbe040e # timeout=10
No emails were triggered.
[jenkins-demo] $ cmd /c call C:\Windows\TEMP\jenkins12156438566805442436.bat

C:\ProgramData\Jenkins\.jenkins\workspace\jenkins-demo>echo "Build triggered by GitHub commit"
```
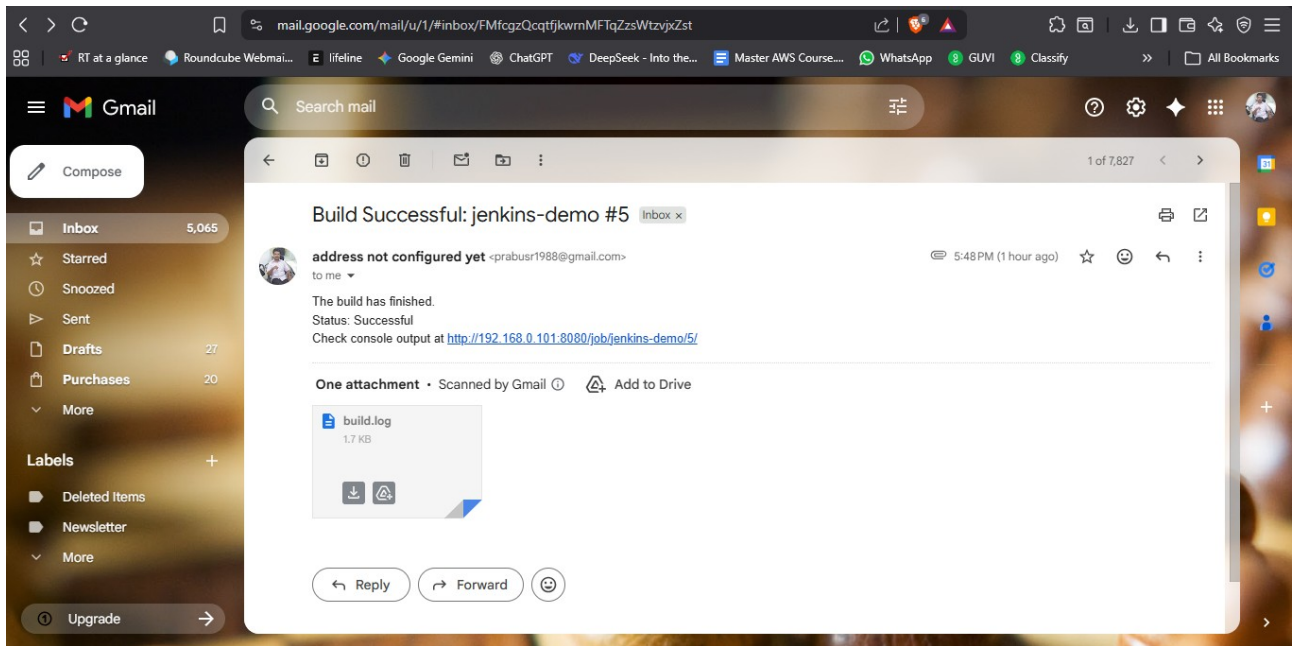
REST API   Jenkins 2.528.2

Successfully jenkins process worked!!!!