Name: Z MD SHARUF RAJ
Batch: D015

Task 15

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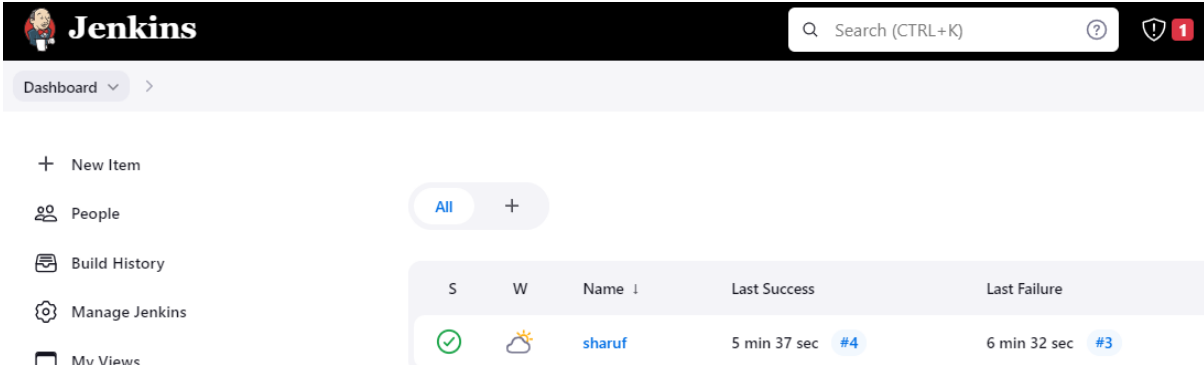Now Create a project in Jenkins connected to your GitHub repository.
When a commit is made to your repo, automatically build must get triggered from Jenkins and the output must be shared to me via email.

Solution:

1.Installing Jenkins:


```
ubuntu@ip-172-31-45-127:~$ jenkins --version
2.426.1
ubuntu@ip-172-31-45-127:~$ sudo service jenkins status
● jenkins.service - Jenkins Continuous Integration Server
     Loaded: loaded (/lib/systemd/system/jenkins.service; enabled; vendor preset: enabled)
     Active: active (running) since Fri 2023-12-01 13:09:11 UTC; 1min 3s ago
   Main PID: 5629 (java)
      Tasks: 45 (limit: 1121)
     Memory: 306.7M
        CPU: 39.314s
     CGroup: /system.slice/jenkins.service
             └─5629 /usr/bin/java -Djava.awt.headless=true -jar /usr/share/java/jenkins.war --webroot=/var/cache/jenkins/war --httpPort=8080
```

2.Jenkins Dashboard:

3.Jenkins Job:

Source Code Management

○ None

● Git ?

  Repositories ?

  ┌───
  │ Repository URL ?
  │
  │ ┌──┐
  │ │ https://github.com/Er-Sharuf/jenkins.git │
  │ └──┘

Build Triggers

☐ Trigger builds remotely (e.g., from scripts) ?

☐ Build after other projects are built ?

☐ Build periodically ?

☑ GitHub hook trigger for GITScm polling ?

☐ Poll SCM ?

Build Steps

┌ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─
│ ☰   **Execute shell** ?
│
│ Command
│ See the list of available environment variables
│
│ ┌──┐
│ │ chmod +x sharuf.sh   │
│ │ ./sharuf.sh   │

Post-build Actions

≡ **E-mail Notification** ?

Recipients

Whitespace-separated list of recipient addresses. May reference bu
becomes unstable or returns to stable.

engineersharuf@gmail.com

☐ Send e-mail for every unstable build

?

☐ Send separate e-mails to individuals who broke the build

Add post-build action ⌄

Save   Apply

Status

</> Changes

Workspace

▷ Build Now

⚙ Configure

🗑 Delete Project

📋 GitHub Hook Log

✏ Rename

✓ **sharuf**

Permalinks

- **Last build (#4), 10 min ago**
- **Last stable build (#4), 10 min ago**
- **Last successful build (#4), 10 min ago**
- **Last failed build (#3), 11 min ago**
- **Last unsuccessful build (#3), 11 min ago**
- **Last completed build (#4), 10 min ago**

Status

</> Changes

🖥 Console Output

📄 View as plain text

✓ **Console Output**

```
Started by user md sharuf raj
Running as SYSTEM
Building in workspace /var/lib/jenkins/workspace/sharuf
The recommended git tool is: NONE
No credentials specified
```

```
Commit message: "Update sharuf.sh"
 > git rev-list --no-walk a9d4ca17e05cddbe66e2fa4854e3758d443e5e53 # timeout=10
[sharuf] $ /bin/sh -xe /tmp/jenkins8461674894622324754.sh
+ chmod +x sharuf.sh
+ ./sharuf.sh
today is friday
Thank you for your support
Sending e-mails to: engineersharuf@gmail.com
Finished: SUCCESS
```

<> Code   ⊙ Issues   ⊷ Pull requests   ⊙ Actions   ⊞ Projects   📖 Wiki   ⊘ Security   📈 Insigh

Files

main ▾   +   🔍

Go to file   t

📄 sharuf.sh

jenkins / sharuf.sh ⧉

🦊 Er-Sharuf Update sharuf.sh

| Code | Blame | 3 lines (3 loc) · 69 Bytes   🖇 Code 55%

```
1   #!/bin/bash
2   echo "today is friday"
3   echo "Thank you for your support"
```