

A3. Demonstrate the process of integration github repository with Jenkins to automate the project execution in CI/CD pipeline.

Git Hub

Source code :

```
class Sample
{
    public static void main(String[] args)
    {
        System.out.println("Yashwanth J");
        System.out.println("4VV21CS187");
    }
}
```

Jenkins Configuration

Required Plugin: Git

SCM

Git url : https://github.com/Yashwanth-J-03/Jenkins_JAVA.git

Branch Specifier: */main

Build Triggers

Poll SCM Schedule : * * * * *

Build Steps

Execute Windows batch command

Command : java Sample.java

Console Output:

Dashboard > YashwanthJ_4VV21CS187_Jenkins >

▶ Build Now

⚙️ Configure

🗑️ Delete Project

📄 Git Polling Log

✎ Rename

Permalinks

- [Last build \(#1\), 2 min 10 sec ago](#)
- [Last stable build \(#1\), 2 min 10 sec ago](#)
- [Last successful build \(#1\), 2 min 10 sec ago](#)
- [Last completed build \(#1\), 2 min 10 sec ago](#)

☀️ Build History

trend ▾

🔍 Filter...

/

✔️ #1

Jul 24, 2024, 12:33 AM

📡 Atom feed for all

📡 Atom feed for failures

REST API

Jenkins 2.452.3

← → ↺

🔒 localhost:8080/job/YashwanthJ_4VV21CS187_Jenkins/1/

☆

🌐

🔖

👤

⋮

🟢 -

📺

📁 My Drive - Google...

🟢 (9) WhatsApp

📧 Cloud Shell

📄 CSS: Cascading Styl...

🎮 Animate.css | A cros...

📦 Font Awesome

👨‍🎓 Coding Ninjas

»

📁 All Bookmark

Dashboard > YashwanthJ_4VV21CS187_Jenkins > #1

📄 Status

</> Changes

📄 Console Output

📄 Edit Build Information

🗑️ Delete build '#1'

🕒 Timings

🔗 Git Build Data

✔️ #1 (Jul 24, 2024, 12:33:48 AM)

✎ Add description

Started 1 min 10 sec ago

Took 3.4 sec

</>

No changes.

🕒

Started by user [Yashwanth J](#)

🕒

This run spent:

- 5 ms waiting;
- 3.4 sec build duration;
- 3.4 sec total from scheduled to completion.

🔗 git

Revision: 64db85293d65ae83d9f747216135d0d682282073

Repository: https://github.com/Yashwanth-J-03/Jenkins_JAVA.git

- refs/remotes/origin/main

Keep this build forever

Console in Windows (preview)

←

→

↺

localhost:8080/job/YashwanthJ_4VV21CS187_Jenkins/1/console

☆

My Drive - Google...

(9) WhatsApp

Cloud Shell

CSS: Cascading Styl...

Animate.css | A cros...

Font Awesome

Coding Ninjas

»

All Bookmar

Dashboard > YashwanthJ_4VV21CS187_Jenkins > #1 > Console Output

⏱ Timings

Git Build Data

```
> git.exe --version # timeout=10
> git --version # 'git version 2.45.2.windows.1'
> git.exe fetch --tags --force --progress -- https://github.com/Yashwanth-J-03/Jenkins_JAVA.git
+refs/heads/*:refs/remotes/origin/* # timeout=10
> git.exe config remote.origin.url https://github.com/Yashwanth-J-03/Jenkins_JAVA.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 64db85293d65ae83d9f747216135d0d682282073 (refs/remotes/origin/main)
> git.exe config core.sparsecheckout # timeout=10
> git.exe checkout -f 64db85293d65ae83d9f747216135d0d682282073 # timeout=10
Commit message: "Create Sample.java"
First time build. Skipping changelog.
[YashwanthJ_4VV21CS187_Jenkins] $ cmd /c call C:\WINDOWS\TEMP\jenkins17136319507765036148.bat

C:\ProgramData\Jenkins\.jenkins\workspace\YashwanthJ_4VV21CS187_Jenkins>java Sample.java
Yashwanth J
4VV21CS187

C:\ProgramData\Jenkins\.jenkins\workspace\YashwanthJ_4VV21CS187_Jenkins>exit 0
Finished: SUCCESS
```

Configuration	Execution	Viva	Total	Verified By

