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

Git Hub

Source code

```
print("hi")
print("vvce")
print("mysore")
print("Karnataka")
print("cse")
print("Dasara")
print("git program")
```

Jenkins Configuration

 Required Plugin: git / github integration plugins

SCM

Git url : https://github.com/HarshithK-froxcy/program2209.git

Branch Specifier: main

Build Triggers

Poll SCM Schedule : * * * * *

Build Steps

Execute Windows batch command

Command : python pro.py

Console Output:

```
Console Output                          ⤓ Download    ⎘ Copy    View as plain text

Started by user admin
Running as SYSTEM
Building in workspace C:\ProgramData\Jenkins\.jenkins\workspace\hars
The recommended git tool is: NONE
No credentials specified
Cloning the remote Git repository
Cloning repository https://github.com/HarshithK-froxcy/program2209.git
 > git.exe init C:\ProgramData\Jenkins\.jenkins\workspace\hars # timeout=10
Fetching upstream changes from https://github.com/HarshithK-froxcy/program2209.git
 > git.exe --version # timeout=10
 > git --version # 'git version 2.51.0.windows.1'
 > git.exe fetch --tags --force --progress -- https://github.com/HarshithK-froxcy/program2209.git +refs/heads/*:refs/remotes/origin/* # timeout=10
 > git.exe config remote.origin.url https://github.com/HarshithK-froxcy/program2209.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 eedb1f149051b2e3e54da644db1d66e28e5a8dcf (refs/remotes/origin/main)
 > git.exe config core.sparsecheckout # timeout=10
 > git.exe checkout -f eedb1f149051b2e3e54da644db1d66e28e5a8dcf # timeout=10
Commit message: "Update pro.py"
First time build. Skipping changelog.
Finished: SUCCESS
```

Configuration	Execution	Viva	Total	Verified By

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