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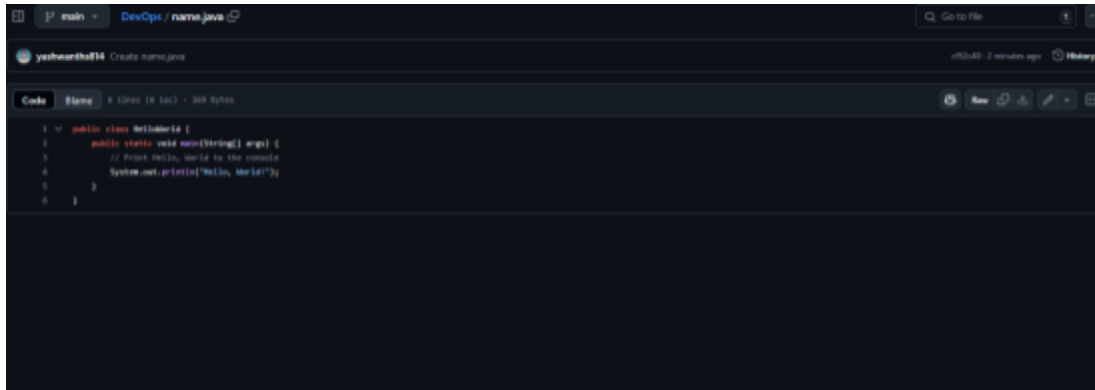. Demonstrate the process of integration github repository with Jenkins to automate the project execution in CI/CD pipeline.

Git Hub

Source code

Jenkins Configuration

 Required Plugin: git / github

SCM

Git url : https://github.com/yashwanths814/DevOps

Branch Specifier: main

Build Triggers

Poll SCM Schedule : * * * * *

Build Steps

Execute Windows batch command

Command : java name.java

Console Output:

```
Started by user admin
Running as SYSTEM
Building in workspace C:\ProgramData\Jenkins\.jenkins\workspace\Yashwanth
The recommended git tool is: NONE
No credentials specified
 > git.exe rev-parse --resolve-git-dir C:\ProgramData\Jenkins\.jenkins\workspace\Yashwanth\.git # timeout=10
Fetching changes from the remote Git repository
 > git.exe config remote.origin.url https://github.com/yashwanths814/DevOps # timeout=10
Fetching upstream changes from https://github.com/yashwanths814/DevOps
 > git.exe --version # timeout=10
 > git --version # 'git version 2.46.1.windows.1'
 > git.exe fetch --tags --force --progress -- https://github.com/yashwanths814/DevOps +refs/heads/*:refs/remotes/origin/* # timeout=10
 > git.exe rev-parse "refs/remotes/origin/main^{commit}" # timeout=10
Checking out Revision cf52c40cec0d84a1061d5777f37a274d19cd7961 (refs/remotes/origin/main)
 > git.exe config core.sparsecheckout # timeout=10
 > git.exe checkout -f cf52c40cec0d84a1061d5777f37a274d19cd7961 # timeout=10
Commit message: "Create name.java"
 > git.exe rev-list --no-walk cf52c40cec0d84a1061d5777f37a274d19cd7961 # timeout=10
[Yashwanth] $ cmd /c call C:\Windows\TEMP\jenkins7032637525100253241.bat

C:\ProgramData\Jenkins\.jenkins\workspace\Yashwanth>java name.java
Hello, World!

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

Configuration	Execution	Viva	Total	Verified By

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