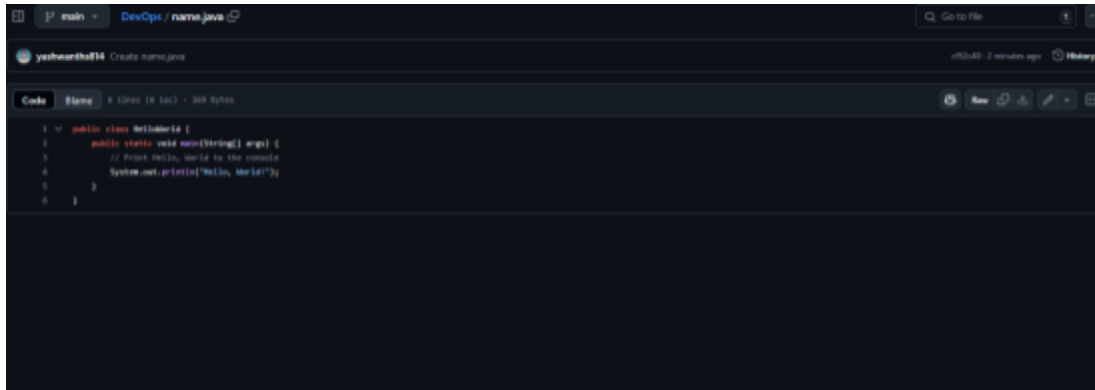


A3. Demonstrate the process of integration github repository with Jenkins to automate the project execution in CI/CD pipeline.

Git Hub

Source code

A screenshot of a GitHub web interface showing a repository named 'DevOps' by user 'yashwanth814'. The file 'name.java' is selected, showing its code in a dark-themed editor. The code is a simple Java class with a main method that prints 'Hello, World!'. The interface includes a search bar, file navigation, and a 'Raw' button for downloading the file.

```
1 public class HelloWorld {  
2     public static void main(String[] args) {  
3         // Print Hello, World to the console  
4         System.out.println("Hello, World!");  
5     }  
6 }
```

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