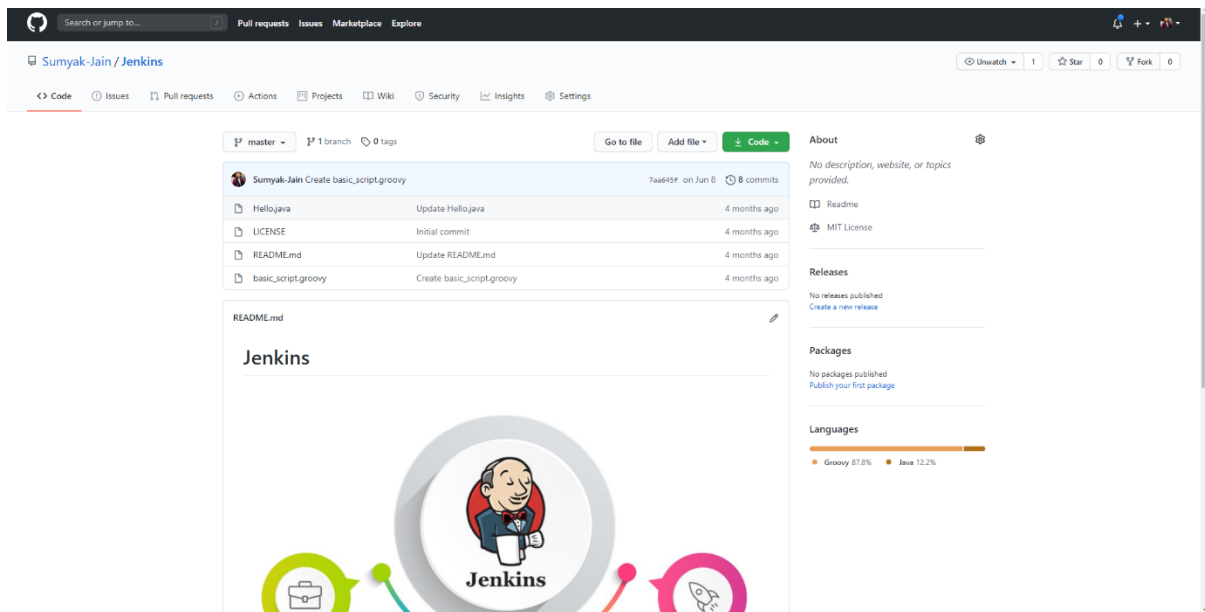


Sumyak Jain, 500068360, R171218106

## Experiment No 2

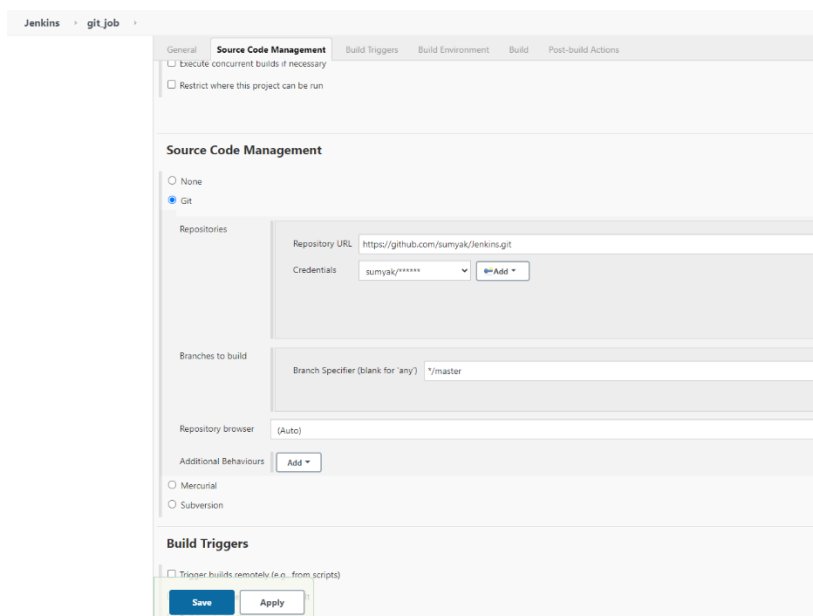
## Jenkins Integration with GitHub

STEP 1) Make a java file have upload it to github

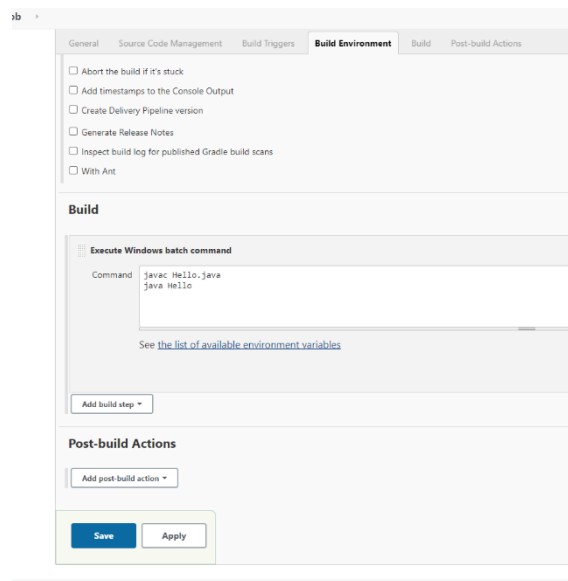


STEP 2) open your project and select git as source code management

Give you credentials if it is a private repo

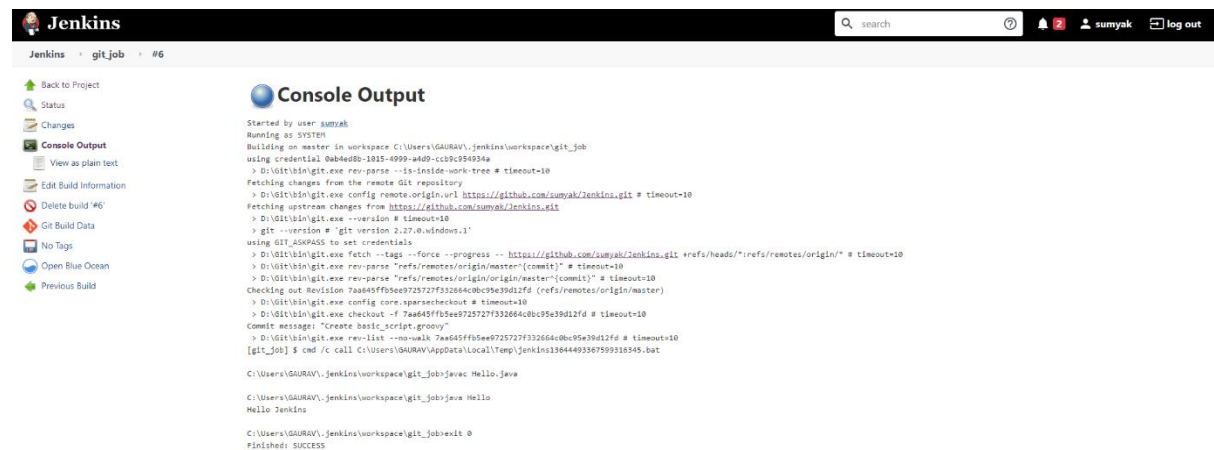


### STEP 3) give post build commands to run your java file



The image shows the Jenkins 'Build Environment' configuration page. It has tabs for General, Source Code Management, Build Triggers, Build Environment, Build, and Post-build Actions. Under 'Build Environment', there are several checkboxes: 'Abort the build if it's stuck', 'Add timestamps to the Console Output', 'Create Delivery Pipeline version', 'Generate Release Notes', 'Inspect build log for published Gradle build scans', and 'With Ant'. Below this is the 'Build' section with a 'Execute Windows batch command' step. The command field contains 'javac Hello.java' and 'java Hello'. A link 'See the list of available environment variables' is present. At the bottom, there are 'Add build step' and 'Add post build action' buttons, and 'Save' and 'Apply' buttons.

### STEP 4) run successfully



The image shows the Jenkins 'Console Output' for a job named 'git\_job'. The output shows the build process starting with user 'sumyak' and running as 'SYSTEM'. It details the checkout of a repository, fetching changes, and running the 'javac' and 'java' commands. The build is successful.

```
Started by user sumyak
Running as SYSTEM
Building on master in workspace C:\Users\GAURAV\.jenkins\workspace\git_job
using credential 0ab4e0b-1015-4999-44d9-ccb9c954934a
> D:\Git\bin\git.exe rev-parse --is-inside-work-tree # timeout=10
Fetching changes from the remote Git repository
> D:\Git\bin\git.exe config remote.origin.url https://github.com/sumyak/Jenkins.git # timeout=10
Fetching upstream changes from https://github.com/sumyak/Jenkins.git
> D:\Git\bin\git.exe --version # timeout=10
git --version # "git version 2.27.0.windows.1"
using GIT_SSH to set credentials
> D:\Git\bin\git.exe fetch --tags --force --progress -- https://github.com/sumyak/Jenkins.git +refs/heads/*:refs/remotes/origin/* # timeout=10
> D:\Git\bin\git.exe rev-parse "refs/remotes/origin/master" # timeout=10
> D:\Git\bin\git.exe rev-parse "refs/remotes/origin/master" # timeout=10
Checking out revision 7aa645ff05e9725727f3326640bc95a39d12fd (refs/remotes/origin/master)
> D:\Git\bin\git.exe config core.sparsecheckout # timeout=10
> D:\Git\bin\git.exe checkout -f 7aa645ff05e9725727f3326640bc95a39d12fd # timeout=10
Commit message: "Create basic_script.phoovy"
> D:\Git\bin\git.exe rev-list --no-walk 7aa645ff05e9725727f3326640bc95a39d12fd # timeout=10
[git_job] $ cmd /c call C:\Users\GAURAV\AppData\Local\Temp\jenkins13644493367599316345.bat

C:\Users\GAURAV\.jenkins\workspace\git_job>javac Hello.java

C:\Users\GAURAV\.jenkins\workspace\git_job>java Hello
Hello Jenkins

C:\Users\GAURAV\.jenkins\workspace\git_job>exit 0
Finished: SUCCESS
```