



## Experiment No. 2

### Jenkins Integration with GitHub

Java file on github:

 **AkanshA0** Update f1.java ✓ 4306546

 f1.java Update f1.java

Git executable file path configuration on Jenkins:

Global Tool Configuration

Use default maven global settings

**JDK**


JDK installations 

Add JDK

List of JDK installations on this system

**Git**

Git installations



**Git**

Name

Default

Path to Git executable

D:\git\Git\bin\git.exe

☐ Install automatically

Create Free style project and fill github repository URL:

github1

General

**Source Code Management**

Build Triggers

Build Environment

Build

Post-build Actions

☐ None

☒ Git

Repositories

Repository URL

https://github.com/AkanshA0/jenkins1.git

Credentials

- none - 

Add

Advanced...

Add Repository

Branches to build

Branch Specifier (blank for 'any')

\*/main

Add Branch

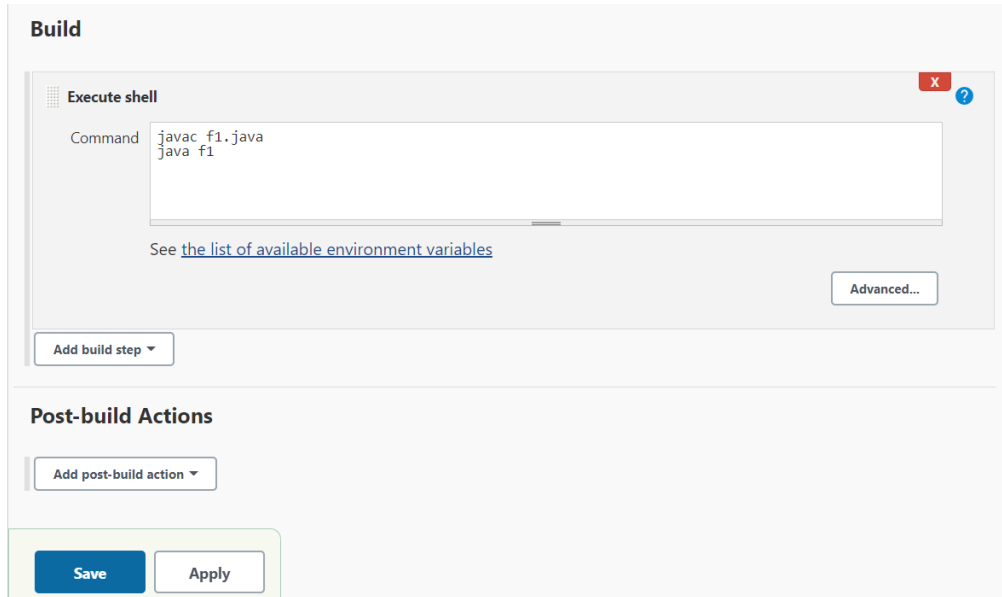
Repository browser

(Auto)

Additional Behaviours

Add

Build command configuration of Jenkins project:



**Build**

**Execute shell**

Command `javac f1.java`  
`java f1`

See [the list of available environment variables](#)

Advanced...

Add build step ▾

**Post-build Actions**

Add post-build action ▾

Save Apply

Console output:

## Console Output

```
Started by user Akansha
Running as SYSTEM
Building in workspace C:\Users\akkan\.jenkins\workspace\github1
The recommended git tool is: NONE
No credentials specified
> F:\git\Git\bin\git.exe rev-parse --is-inside-work-tree # timeout=10
Fetching changes from the remote Git repository
> F:\git\Git\bin\git.exe config remote.origin.url https://github.com/AkanshA0/jenkins1.git # timeout=10
Fetching upstream changes from https://github.com/AkanshA0/jenkins1.git
> F:\git\Git\bin\git.exe --version # timeout=10
> git --version # 'git version 2.22.0.windows.1'
> F:\git\Git\bin\git.exe fetch --tags --force --progress -- https://github.com/AkanshA0/jenkins1.git +refs/heads/*:refs/remotes/origin/* # timeout=10
> F:\git\Git\bin\git.exe rev-parse "refs/remotes/origin/main^{commit}" # timeout=10
Checking out Revision b28be9b225bcffd7c6e697f733470825b06fd0a1 (refs/remotes/origin/main)
> F:\git\Git\bin\git.exe config core.sparsecheckout # timeout=10
> F:\git\Git\bin\git.exe checkout -f b28be9b225bcffd7c6e697f733470825b06fd0a1 # timeout=10
Commit message: "commit"
First time build. Skipping changelog.
[github1] $ sh -xe C:\Users\akkan\AppData\Local\Temp\jenkins5955543280171265142.sh
+ javac f1.java
+ java f1
Hello, World!
Finished: SUCCESS
```