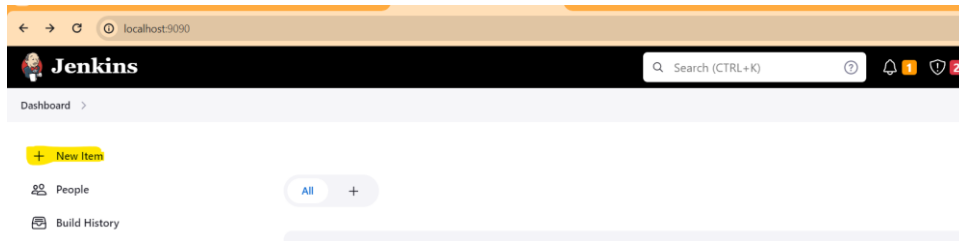


# How to setup a job in Jenkins Locally

**Step 1** – Click on new item on the left-hand side of the dashboard page.

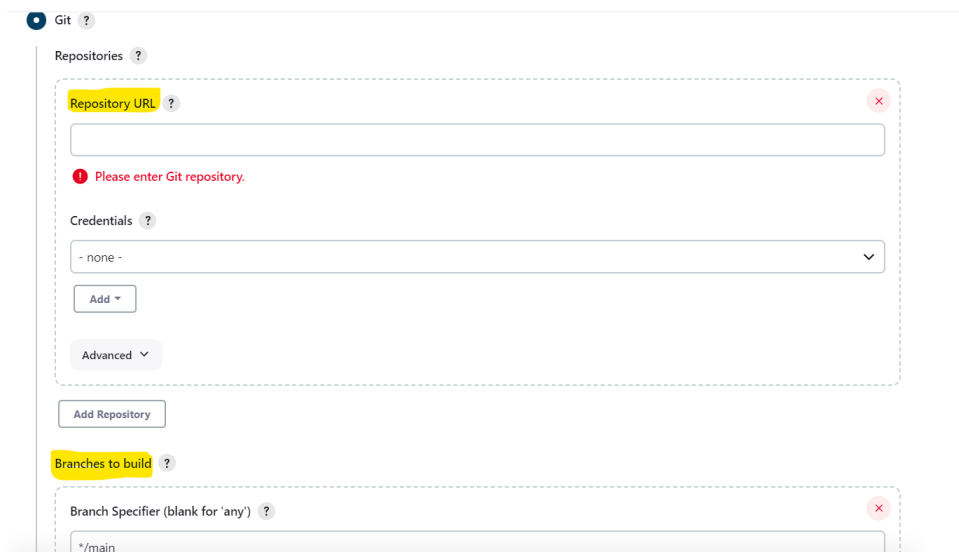


**Step 2** – Enter the item name and select freestyle project from the drop-down options. We are selecting freestyle objects as of now, because we are now creating a small job. This option is recommended for small running activities. Click on next after the selection has been made.

**Step 3** – You will find a description box where you can add the description of the current job

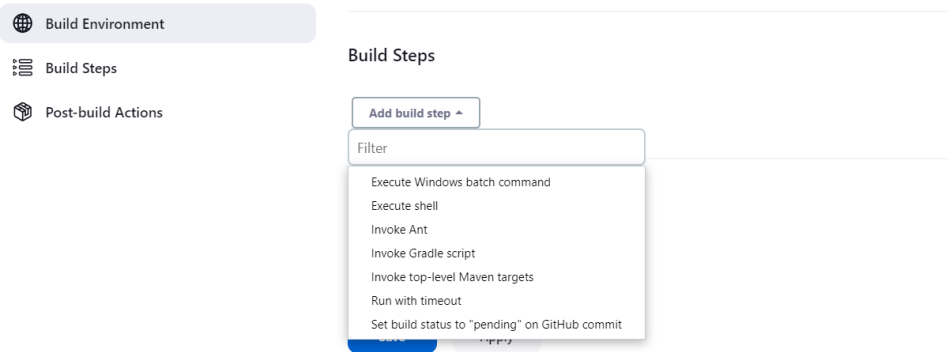


**Step 4** – This is an option step where you will have to add your git repository on which the job has to be performed.



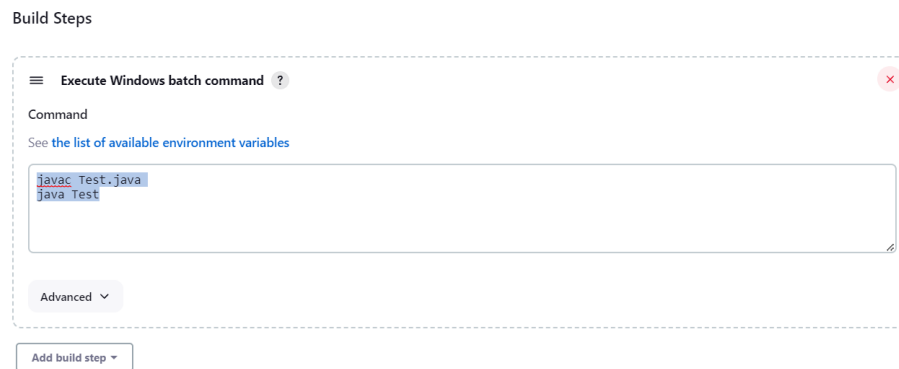
Please note that under the branch section we must add, **main** as the branch.

**Step 5** – Under the build steps section, select Execute Windows batch command, as here we will be specifying the commands which needs to be executed.




**Step 6** – Under the “Execute Windows batch command” we will have to specify the list of commands which we want to execute.

For example – To execute a java program in your repo you can specify the following commands.



To execute a maven project, we have a set of different commands for that.

**Step 7** – Click on save. Then you will be navigated to the dashboard. Here you can click on build now and start the build manually as of now.

 **Jenkins**

Dashboard > JenkinsJobWithRepo >

Status

</> Changes

Workspace

Build Now

Configure

Delete Project

Rename

## Project JenkinsJobWithRepo

This is a sample build job with a repository from Github

### Permalinks

- Last build (#1), 16 hr ago
- Last stable build (#1), 16 hr ago
- Last successful build (#1), 16 hr ago
- Last completed build (#1), 16 hr ago

Build History

trend

Filter builds...

#1

13 Dec 2023, 20:32

Atom feed for all

Atom feed for failures

**Step 8** - The build has been triggered now. The next step would be to see the console output which your build has been giving. This can be seen from the bottom left side of page where we can see the number of build which has been given. In my case it is #1.

**Step 9** – After clicking on console output, we will be redirected to the specific page where we can see the execution of our program.

Dashboard > JenkinsJobWithRepo > #2 > Console Output

</> Changes

Console Output

View as plain text

Edit Build Information

Delete build '#2'

Git Build Data

Previous Build

### Console Output

```
Started by user arham
Running as SYSTEM
Building in workspace C:\Users\User\jenkins\workspace\JenkinsJobWithRepo
The recommended git tool is: NONE
No credentials specified
> git.exe rev-parse --resolve-git-dir C:\Users\User\jenkins\workspace\JenkinsJobWithRepo\.git # timeout=10
Fetching changes from the remote Git repository
> git.exe config remote.origin.url https://github.com/ArhamMohammed/JenkinsPractice.git # timeout=10
Fetching upstream changes from https://github.com/ArhamMohammed/JenkinsPractice.git
> git.exe --version # timeout=10
> git --version # 'git version 2.43.0.windows.1'
> git.exe fetch --tags --force --progress -- https://github.com/ArhamMohammed/JenkinsPractice.git +refs/heads/*:refs/remotes/origin/* # timeout=10
> git.exe rev-parse "refs/remotes/origin/main" (commit) # timeout=10
Checking out Revision 1347e24e6d7ee1740d113d32039c6cf77433ef42 (refs/remotes/origin/main)
> git.exe config core.sparsecheckout # timeout=10
> git.exe checkout -f 1347e24e6d7ee1740d113d32039c6cf77433ef42 # timeout=10
Commit message: "Update Test.java"
> git.exe rev-list --no-walk 1347e24e6d7ee1740d113d32039c6cf77433ef42 # timeout=10
[JenkinsJobWithRepo] $ cmd /c call C:\Users\User\AppData\Local\Temp\jenkins3286826507250688067.bat

C:\Users\User\jenkins\workspace\JenkinsJobWithRepo>java: Test.java

C:\Users\User\jenkins\workspace\JenkinsJobWithRepo>java Test
Welcome to Jenkins

C:\Users\User\jenkins\workspace\JenkinsJobWithRepo>exit 0
Finished: SUCCESS
```

This execution will show us if the program is running successfully or if there is any error.