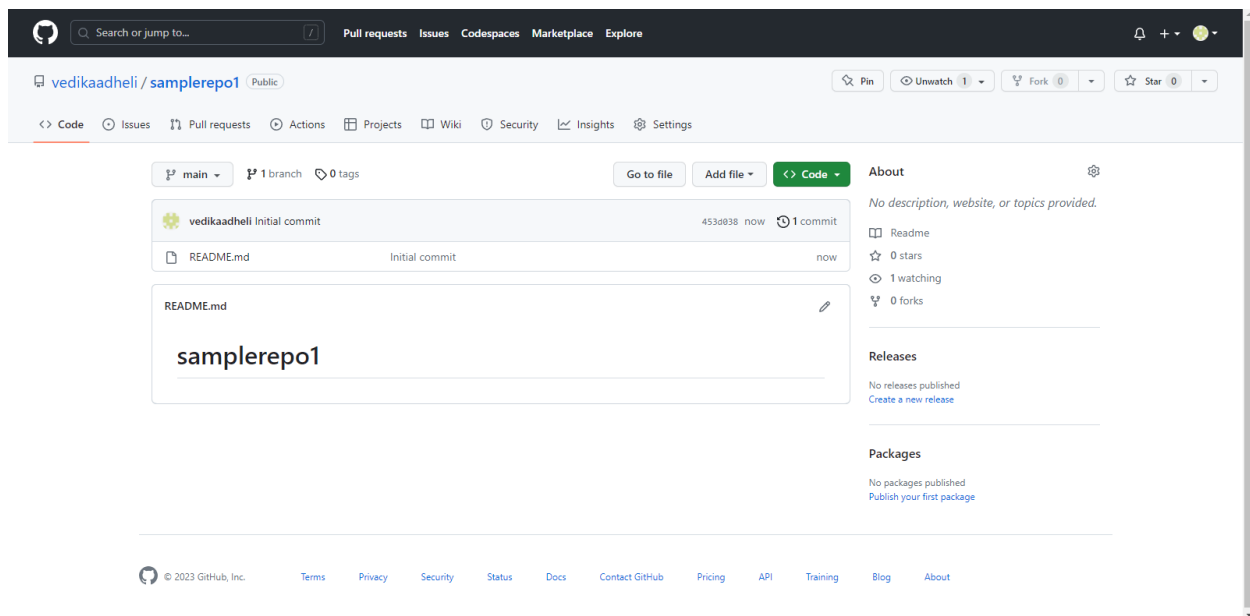


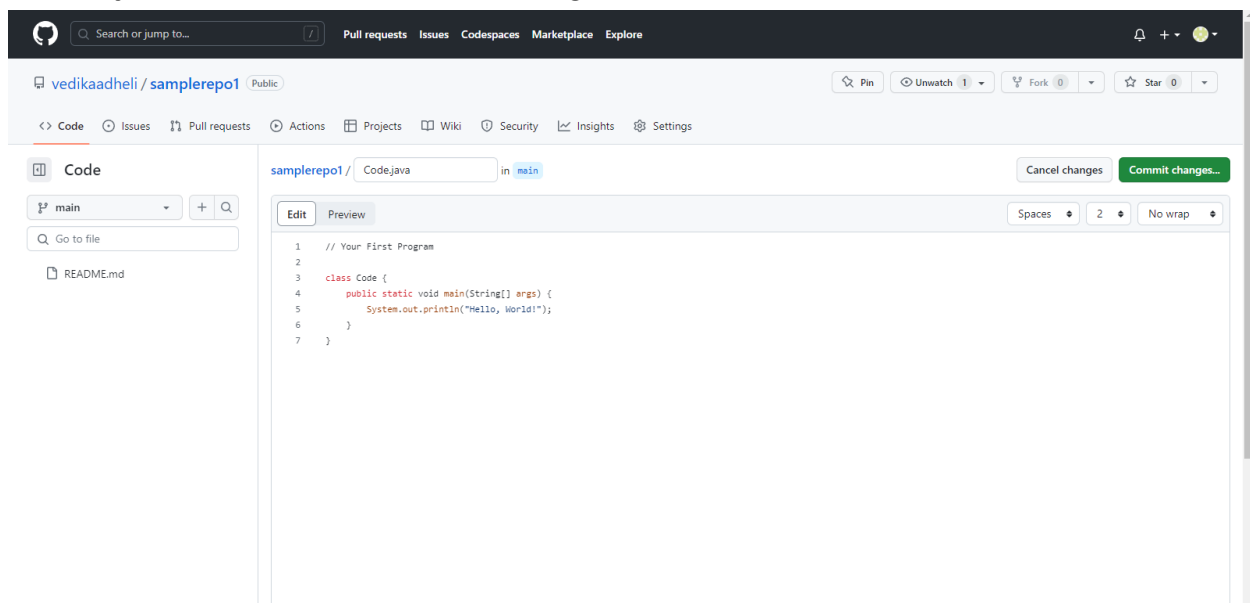
Name : Vedika Adheli
Roll No : 01
Devops Assignment : 05

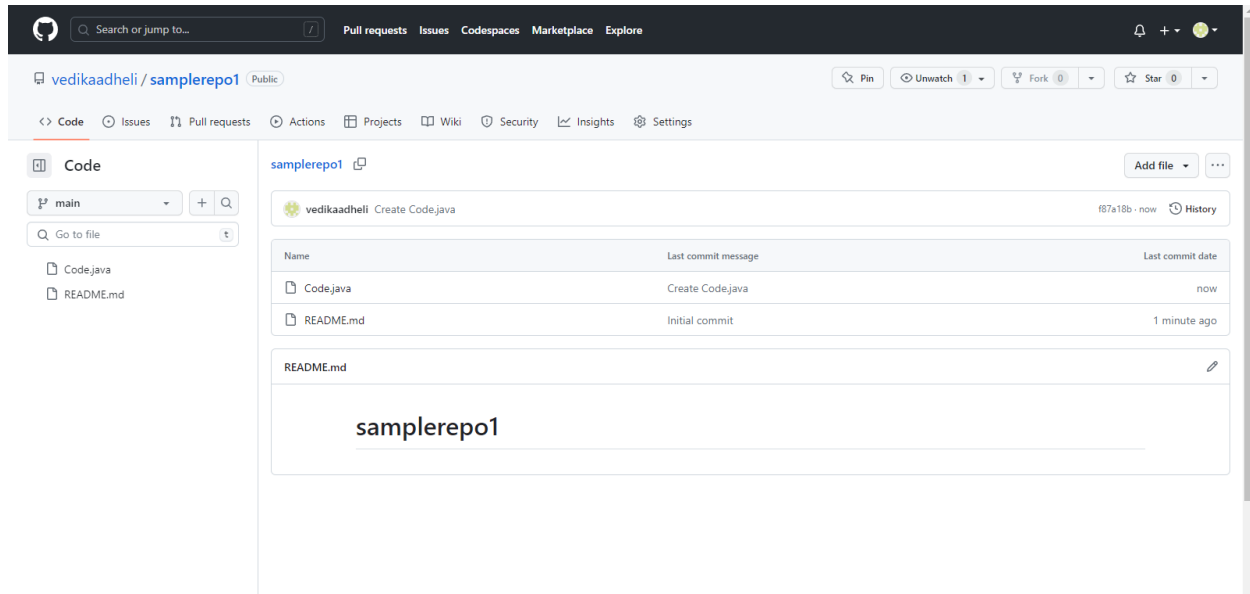
1. Set up a Jenkins job that picks up a Java application from a GitHub repository, builds it, and runs it.

Create a Repository on GitHub

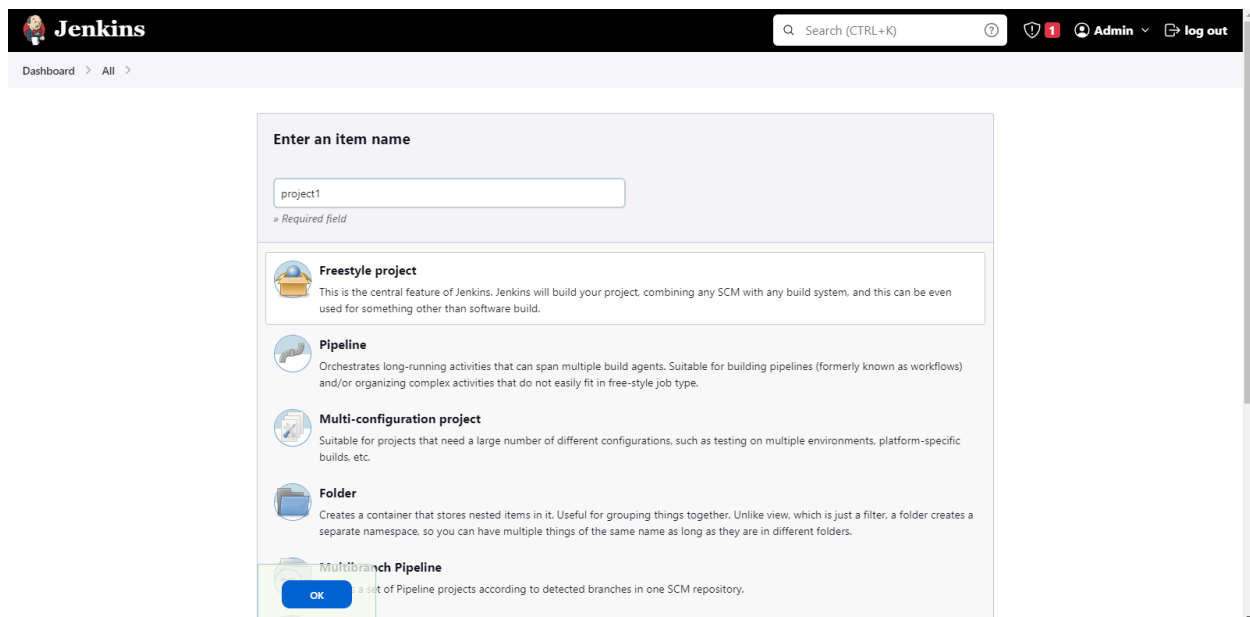


Create java file and commit the changes





Now Go to Jenkins, Create a **New Item** then enter an item name. Select **Freestyle project**. Then click on Ok



Paste the URL of repository created in GitHub and specify the branch

Dashboard > project1 > Configuration

Configure

- General
- Source Code Management
- Build Triggers
- Build Environment
- Build Steps
- Post-build Actions

☐ None

☒ Git ?

Repositories ?

Repository URL ?

Please enter Git repository.

Credentials ?

Branches to build ?

Branch Specifier (blank for 'any') ?

In Build Triggers : select Poll SCM, add five space separated starts.(i.e. * * * * *)

Dashboard > project1 > Configuration

Configure

- General
- Source Code Management
- Build Triggers
- Build Environment
- Build Steps
- Post-build Actions

Repository browser ?

Additional Behaviours

Build Triggers

- ☐ Trigger builds remotely (e.g., from scripts) ?
- ☐ Build after other projects are built ?
- ☐ Build periodically ?
- ☐ GitHub Branches
- ☐ GitHub Pull Requests ?
- ☐ GitHub hook trigger for GITScm polling ?
- ☒ Poll SCM ?

Schedule ?

In Build Steps: select **Execute Windows batch command** and add the command to execute java program. Then click on apply and save

Dashboard > project1 > Configuration

Configure

General

Source Code Management

Build Triggers

Build Environment

Build Steps

Post-build Actions

☐ With Ant ?

Build Steps

Execute Windows batch command ?

Command

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

```
javac Code.java
java Code
```

Advanced ▾

Add build step ▾

Post-build Actions

Add post-build action ▾

Save Apply

Go to Dashboard and select your project. Click on Build Now.

Jenkins

Search (CTRL+K)

1

Adminlog out

Dashboard > project1 >

Status

Changes

Workspace

Build Now

Configure

Delete Project

Git Polling Log

Rename

Build Historytrend ▾

Filter builds... /

No builds


Atom feed for allAtom feed for failures

Project project1




Permalinks

Add description

Disable Project

**Jenkins**

Search (CTRL+K)

**Admin**  log out

Dashboard > project1 >

Status

</> Changes

Workspace

Build Now

Configure

Delete Project

Git Polling Log

Rename

Build History

trend

Filter builds...

2

May 25, 2023 4:51 PM

Atom feed for all

Atom feed for failures


Project project1

Permalinks




Add description

Disable Project

Console Output

**Jenkins**

Search (CTRL+K)

**Admin**  log out

Dashboard > project1 > #2 > Console Output

Status

</> Changes

Console Output

View as plain text

Edit Build Information

Delete build '#2'

Git Build Data

Console Output

Started by user Admin

Running as SYSTEM

Building in workspace C:\Users\Admin\AppData\Local\Jenkins\.jenkins\workspace\project1

The recommended git tool is: NONE

No credentials specified

> git.exe rev-parse --resolve-git-dir C:\Users\Admin\AppData\Local\Jenkins\.jenkins\workspace\project1\.git # timeout=10

Fetching changes from the remote git repository

> git.exe config remote.origin.url https://github.com/vedikaadheli/samlerepol.git # timeout=10

Fetching upstream changes from https://github.com/vedikaadheli/samlerepol.git

> git --version # timeout=10

> git --version # 'git version 2.40.0.windows.1'

> git.exe fetch --tags --force --progress -- https://github.com/vedikaadheli/samlerepol.git +refs/heads/*:refs/remotes/origin/* # timeout=10

> git.exe rev-parse 'refs/remotes/origin/main^{commit}' # timeout=10

Checking out Revision f87a18b17406292722fa72021c23dfdb6ba3fb3 (refs/remotes/origin/main)

> git.exe config core.sparsecheckout # timeout=10

> git.exe checkout -f f87a18b17406292722fa72021c23dfdb6ba3fb3 # timeout=10

Commit message: "Create Code.java"

First time build. Skipping changelog.

[project1] \$ cmd /c call C:\Users\Admin\AppData\Local\Temp\jenkins13828446599185453339.bat

C:\Users\Admin\AppData\Local\Jenkins\.jenkins\workspace\project1>javac Code.java

C:\Users\Admin\AppData\Local\Jenkins\.jenkins\workspace\project1>java Code

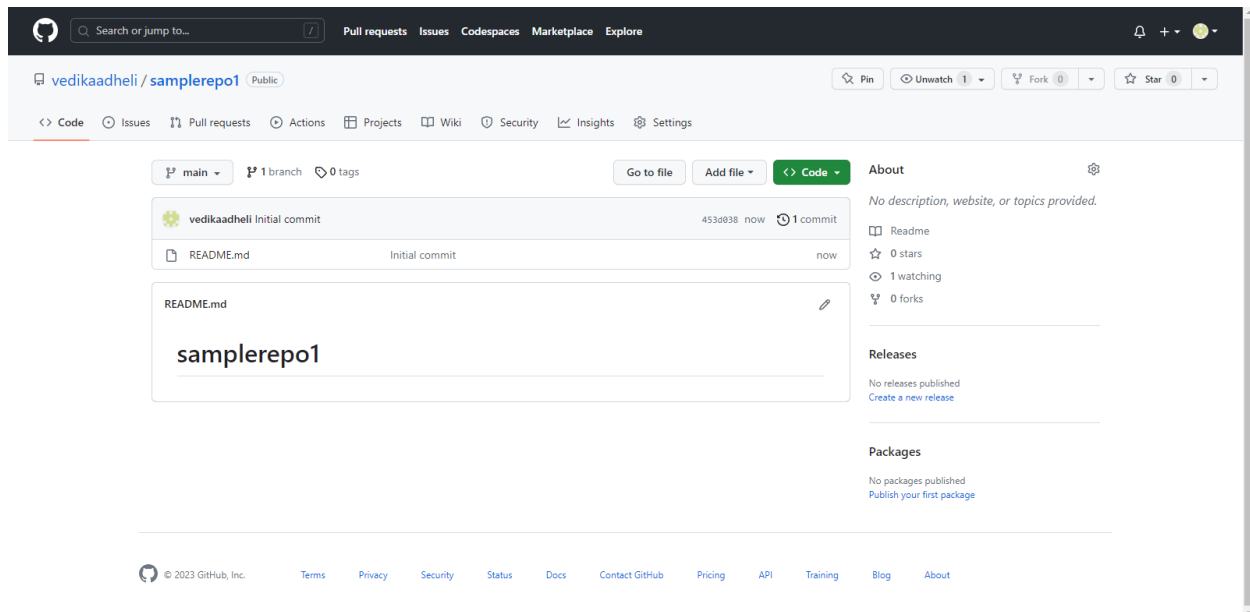
Hello, World!

C:\Users\Admin\AppData\Local\Jenkins\.jenkins\workspace\project1>exit 0

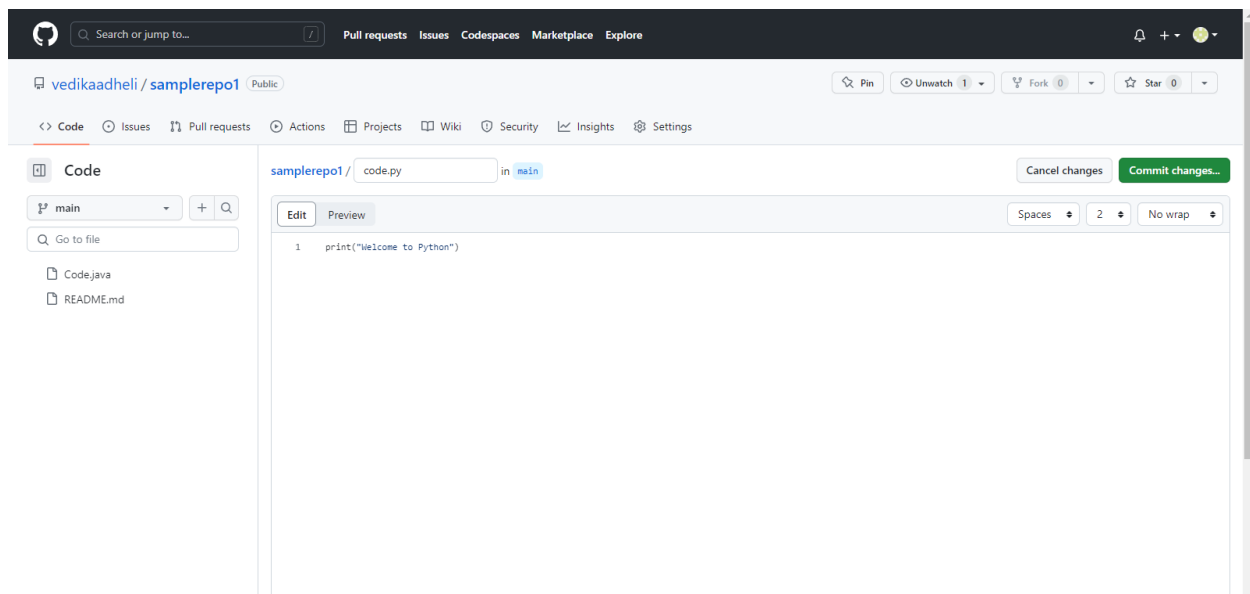
Finished: SUCCESS

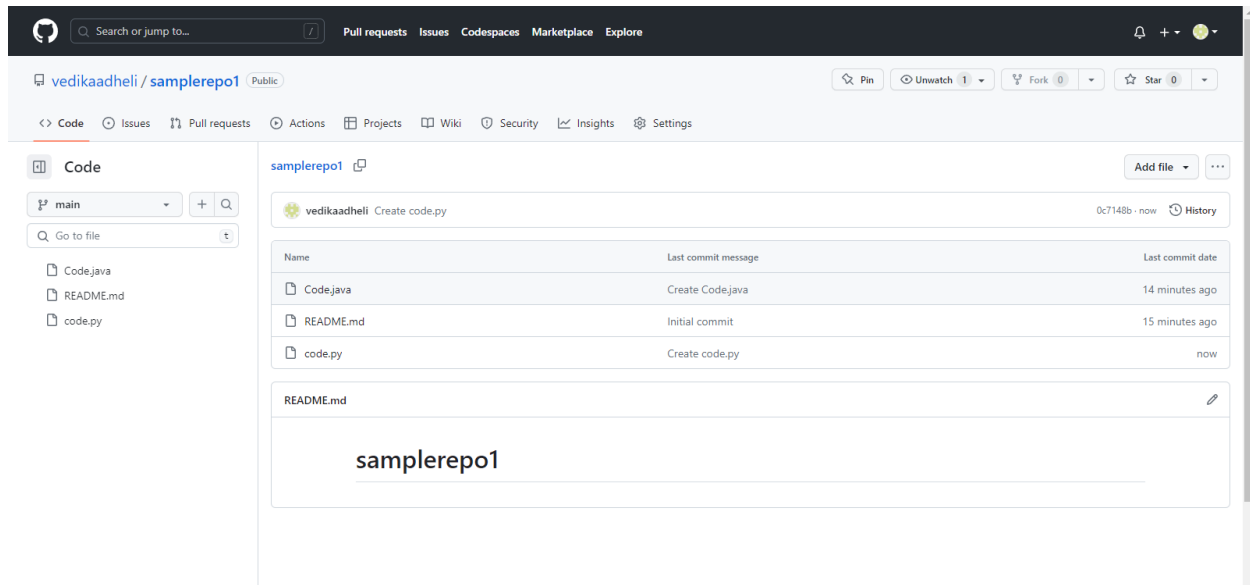
2. Set up a Jenkins job that picks up a Python application from a GitHub repository, builds it, and runs it.

Create a Repository on GitHub

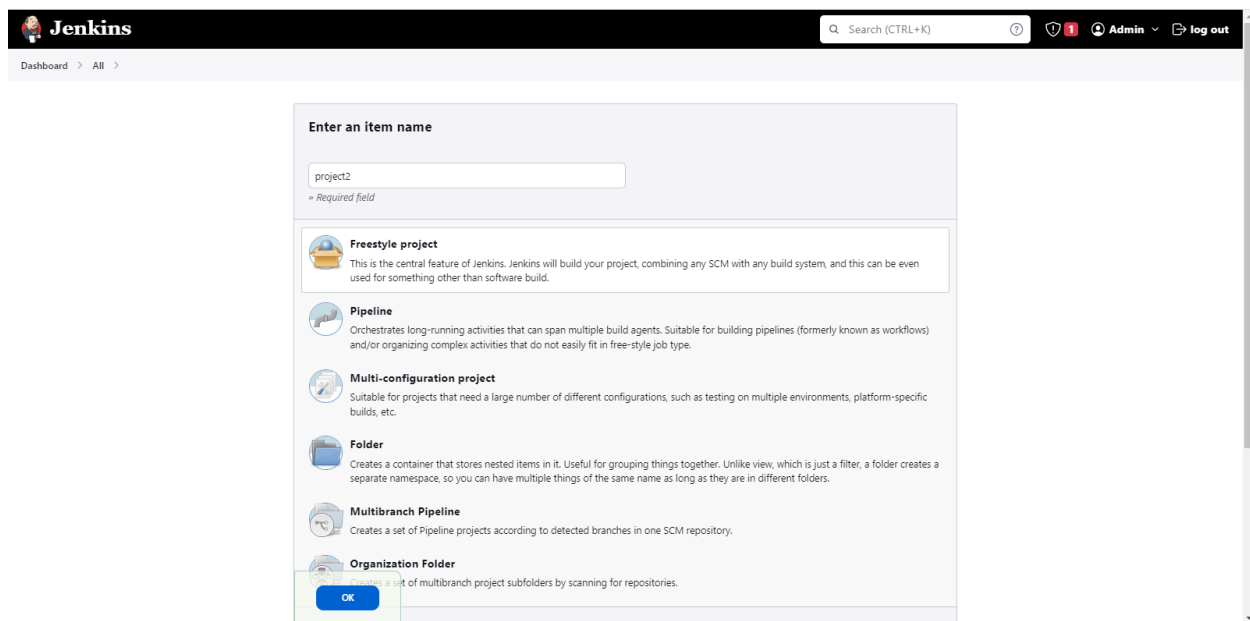


Create python file and commit the changes





Now Go to Jenkins, Create a **New Item** then enter an item name. Select **Freestyle project**. Then click on Ok



Paste the URL of repository created in GitHub and specify the branch
In Build Triggers : select Poll SCM, add five space separated starts.(i.e. * * * * *)

Dashboard > project2 > Configuration

Configure

- General
- Source Code Management
- Build Triggers**
- Build Environment
- Build Steps
- Post-build Actions

Build Triggers

- ☐ Trigger builds remotely (e.g., from scripts) ?
- ☐ Build after other projects are built ?
- ☐ Build periodically ?
- ☐ GitHub Branches
- ☐ GitHub Pull Requests ?
- ☐ GitHub hook trigger for GITScm polling ?
- ☒ Poll SCM ?

Schedule ?

```
****
```

- ☐ Ignore post-commit hooks ?

Build Environment

- ☐ Delete workspace before build starts
- ☐ Use secret text(s) or file(s) ?
- ☐ Add timestamps to the Console Output
- ☐ Inspect build log for published build scans

Save Apply

In Build Steps: select **Execute Windows batch command** and add the command to execute python program. Then click on apply and save.

Dashboard > project2 > Configuration

Configure

- General
- Source Code Management
- Build Triggers
- Build Environment
- Build Steps**
- Post-build Actions

☐ With Ant ?

Build Steps

Execute Windows batch command ?

Command

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

```
python code.py
```

Advanced ▾

Add build step ▾

Post-build Actions

Add post-build action ▾

Save Apply

Go to Dashboard and select your project. Click on Build Now.

Jenkins

Search (CTRL+K)

Admin

log out

Dashboard > project2 >

Status

Changes

Workspace

Build Now

Configure

Delete Project

Git Polling Log

Rename

Build History

trend

Filter builds...

1

11 Nov 25, 2023 5:05 PM

Project project2

Add description

Disable Project

Permalinks

Last build (#3), 2 min 32 sec ago

Last failed build (#3), 2 min 32 sec ago

Last unsuccessful build (#3), 2 min 32 sec ago

Last completed build (#3), 2 min 32 sec ago

Console Output

Jenkins

Search (CTRL+K)

Admin

log out

Dashboard > project2 > #4 > Console Output

Status

Changes

Console Output

View as plain text

Edit Build Information

Delete build '#4'

Polling Log

Git Build Data

Previous Build

Console Output

Started by an SCM change
Started by user Admin
Running as SYSTEM
Building in workspace C:\Users\Admin\AppData\Local\Jenkins\.jenkins\workspace\project2
The recommended git tool is: NONE
No credentials specified
> git.exe rev-parse --resolve-git-dir C:\Users\Admin\AppData\Local\Jenkins\.jenkins\workspace\project2\.git # timeout=10
Fetching changes from the remote Git repository
> git.exe config remote.origin.url https://github.com/vedikaadhell/samlerepol.git # timeout=10
Fetching upstream changes from https://github.com/vedikaadhell/samlerepol.git
> git.exe --version # timeout=10
> git --version # git version 2.40.0.windows.1
> git.exe fetch --tags --force --progress -- https://github.com/vedikaadhell/samlerepol.git +refs/heads/*:refs/remotes/origin/* # timeout=10
> git.exe rev-parse "refs/remotes/origin/main:{commit}" # timeout=10
Checking out Revision 0c7148b78e08735c1001452c4cb78e46d2d43235 (refs/remotes/origin/main)
> git.exe config core.sparsecheckout # timeout=10
> git.exe checkout -f 0c7148b78e08735c1001452c4cb78e46d2d43235 # timeout=10
Commit message: "Create code.py"
First time build. Skipping changelog.
[project2] \$ cmd /c call C:\Users\Admin\AppData\Local\Temp\Jenkins14639863172921917542.bat

C:\Users\Admin\AppData\Local\Jenkins\.jenkins\workspace\project2>python code.py
Welcome to Python

C:\Users\Admin\AppData\Local\Jenkins\.jenkins\workspace\project2>exit 0
Finished: SUCCESS