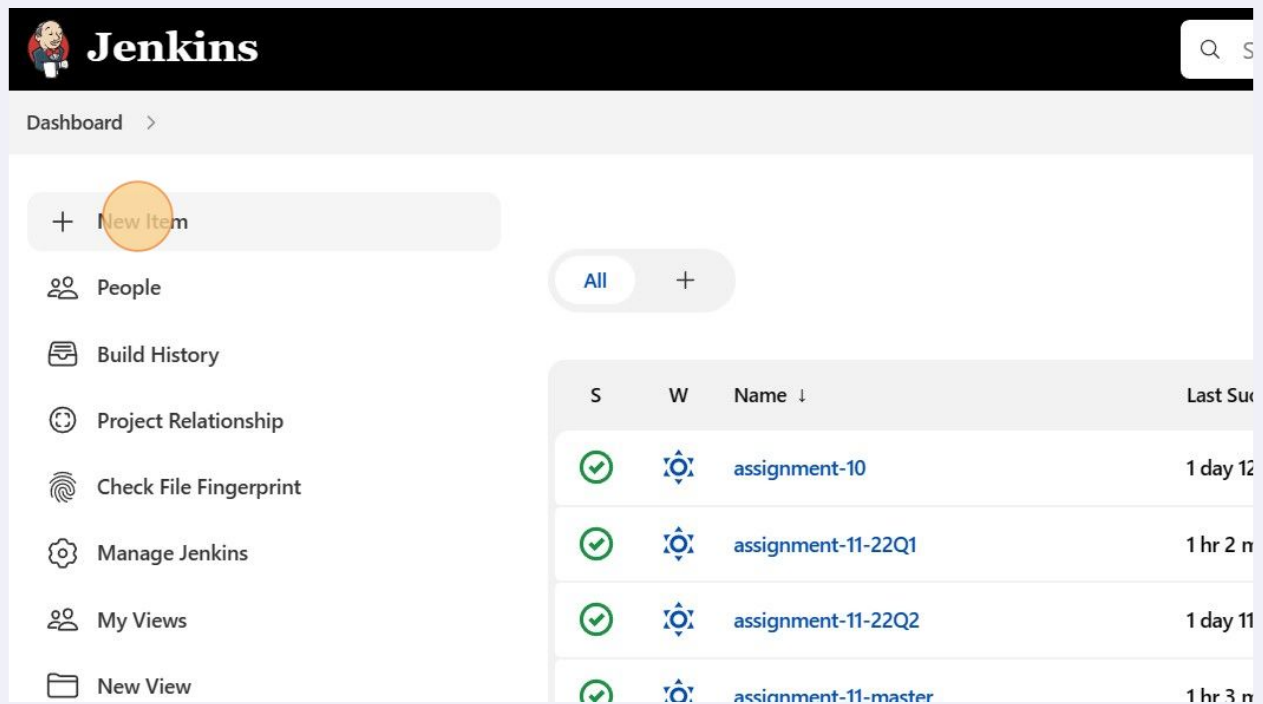


# Workflow

In github repo we have 3 branches master, 22Q1, 22Q2. deploy master on build-in, 22Q1 on slave2, 22Q2 in slave3 using declarative pipeline and it should immediately trigger when new changes checkin

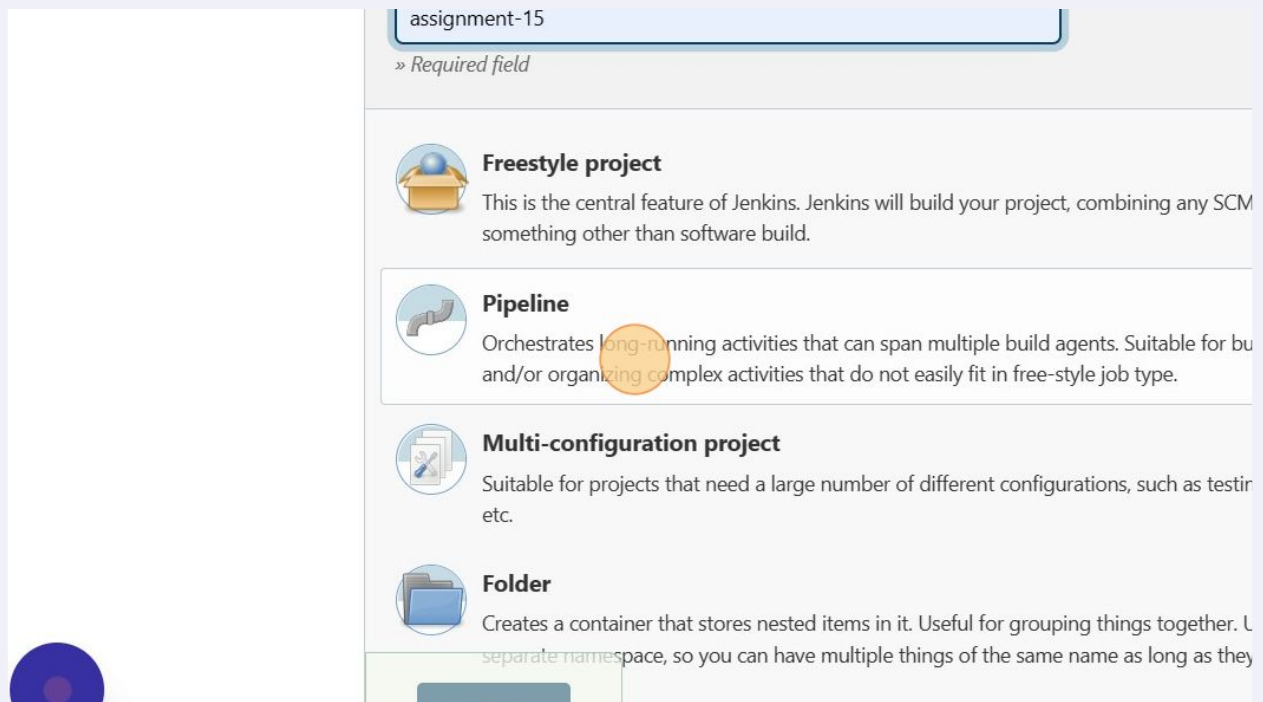
1 Navigate to [65.2.181.224:8080/jenkins](https://65.2.181.224:8080/jenkins)

2 Click "New Item"



3

Click "Orchestrates long-running activities that can span multiple build agents. Suitable for building pipelines (formerly known as workflows) and/or o..."

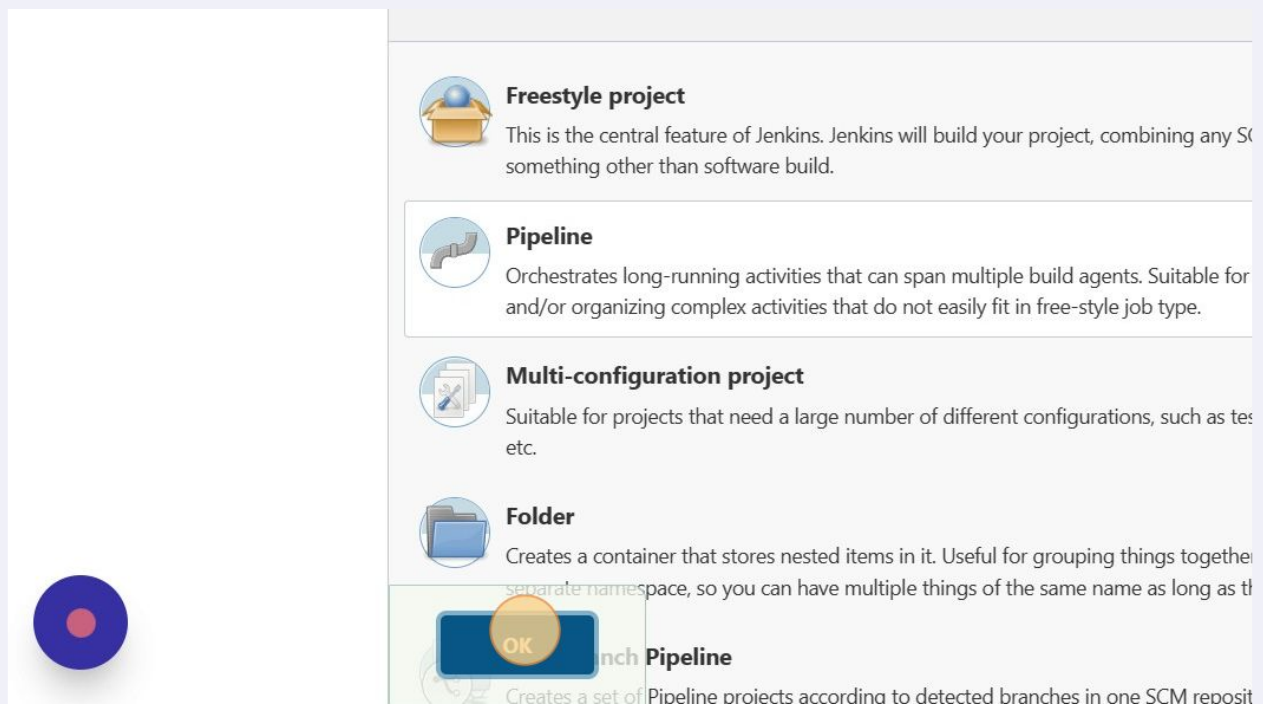


assignment-15  
» Required field

- Freestyle project**  
This is the central feature of Jenkins. Jenkins will build your project, combining any SCM something other than software build.
- Pipeline**  
Orchestrates long-running activities that can span multiple build agents. Suitable for building and/or organizing complex activities that do not easily fit in free-style job type.
- Multi-configuration project**  
Suitable for projects that need a large number of different configurations, such as testing etc.
- Folder**  
Creates a container that stores nested items in it. Useful for grouping things together. Use separate namespaces, so you can have multiple things of the same name as long as they are in different namespaces.

4

Click "OK"



Freestyle project  
This is the central feature of Jenkins. Jenkins will build your project, combining any SCM something other than software build.

Pipeline  
Orchestrates long-running activities that can span multiple build agents. Suitable for building and/or organizing complex activities that do not easily fit in free-style job type.

Multi-configuration project  
Suitable for projects that need a large number of different configurations, such as testing etc.

Folder  
Creates a container that stores nested items in it. Useful for grouping things together. Use separate namespaces, so you can have multiple things of the same name as long as they are in different namespaces.

**OK** **Cancel** **Advanced Pipeline**  
Creates a set of Pipeline projects according to detected branches in one SCM repository

5 Click "GitHub hook trigger for GITScm polling"

Dashboard > assignment-15 >

General **Build Triggers** Advanced Project Options Pipeline

☐ Build after other projects are built ?

☐ Build periodically ?

☒ GitHub hook trigger for GITScm polling ?

☐ Poll SCM ?

☐ Disable this project ?

☐ Quiet period ?

☐ Trigger builds remotely (e.g., from scripts) ?

**Advanced Project Options**

Advanced...

6 Click this dropdown.

Advanced Project Options

Advanced...

**Pipeline**

Definition

Pipeline script

Script ?

1

7 Click this dropdown.

**Pipeline**

Definition

Pipeline script from SCM

SCM ?

None

Script Path ?

Jenkinsfile

☒ Lightweight checkout ?

[Pipeline Syntax](#)

8 Click this text field.

SCM ?

Git

Repositories ?

Repository URL ?

Please enter Git repository.

Credentials ?

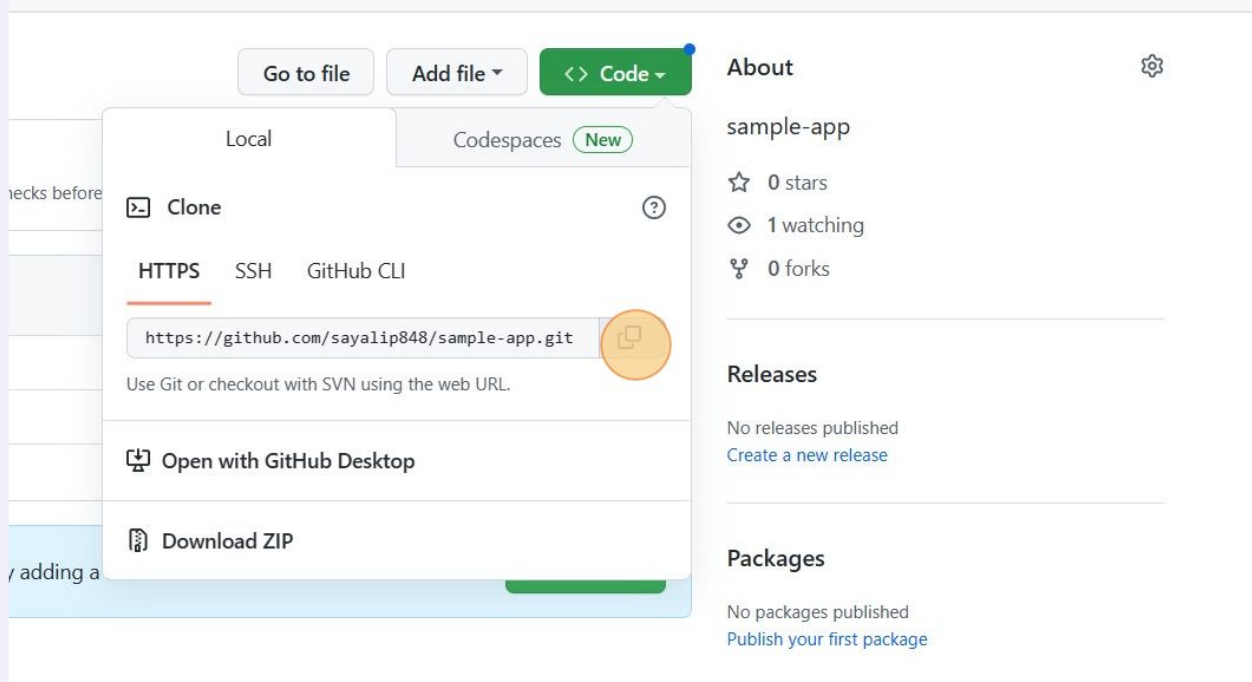
- none -

+ Add

Advanced...

9 Switch to tab "sayalip848/sample-app: sample-app"

10 Click this icon.



11 Press [[ctrl]] + [[v]]

## 12 Click here.

<https://github.com/sayalip848/sample-app.git>

❌ Please enter Git repository.

Credentials ?

- none -

+ Add

Advanced...

Add Repository

Branches to build ?

Branch Specifier (blank for 'any') ?

\*/master

## 13 Click "Add Branch"

Dashboard > assignment-15 >

General Build Triggers Advanced Project Options **Pipeline**

Branches to build ?

Branch Specifier (blank for 'any') ?

\*/master

Add Branch

Repository browser ?

(Auto)

Additional Behaviours

Add ▾

**14** Click this text field.

The screenshot shows a configuration panel for 'Branches to build'. It contains two identical entries, each with a 'Branch Specifier (blank for 'any')' text field containing the text `*/master`. An orange circle highlights the text field in the second entry. Below the entries is an 'Add Branch' button. At the bottom, there is a 'Repository browser' dropdown set to '(Auto)' and a section for 'Additional Behaviours'.

**15** Type "22Q1"

**16** Click this dropdown.

Branch Specifier (blank for 'any') ?

\*/22Q1

Add Branch

Repository browser ?

(Auto)

Additional Behaviours

Add ▾

Script Path ?

Jenkinsfile

Save Apply

**17** Click "Add Branch"

Branch Specifier (blank for 'any') ?

\*/master

Branch Specifier (blank for 'any') ?

\*/22Q1

Add Branch

Repository browser ?

(Auto)

Additional Behaviours

Add ▾



**18** Click this text field.

Branch Specifier (blank for 'any') ?

\*/22Q1

Branch Specifier (blank for 'any') ?

\*/master

Add Branch

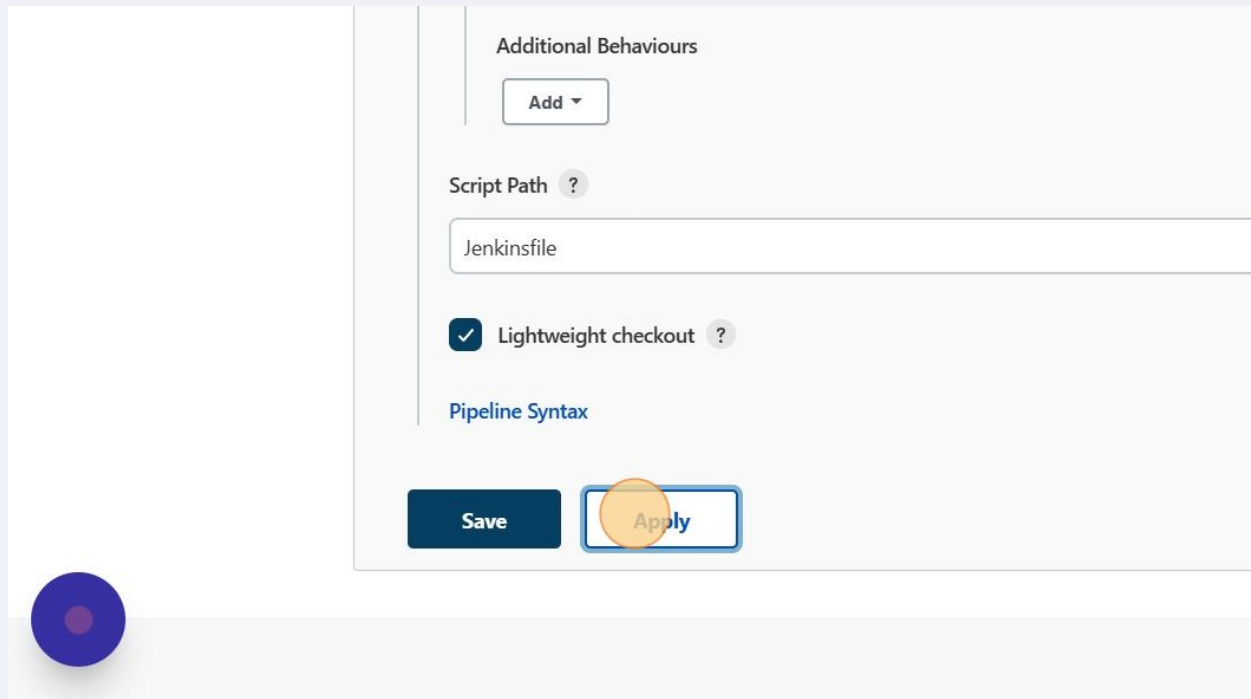
Repository browser ?

(Auto)

Additional Behaviours

**19** Type "22Q2"

20 Click "Apply"



The image shows a Jenkins Pipeline Configuration page. On the left is a large empty white area. On the right is a configuration panel with a light gray background. At the top of the panel is the section 'Additional Behaviours' with an 'Add' button. Below this is the 'Script Path' section, which has a text input field containing 'Jenkinsfile'. Underneath is a checkbox labeled 'Lightweight checkout' which is checked. At the bottom of the panel are two buttons: 'Save' and 'Apply'. The 'Apply' button is highlighted with a blue border and a yellow circle. A blue circular icon with a white dot is located in the bottom left corner of the page.

Additional Behaviours

Add

Script Path ?

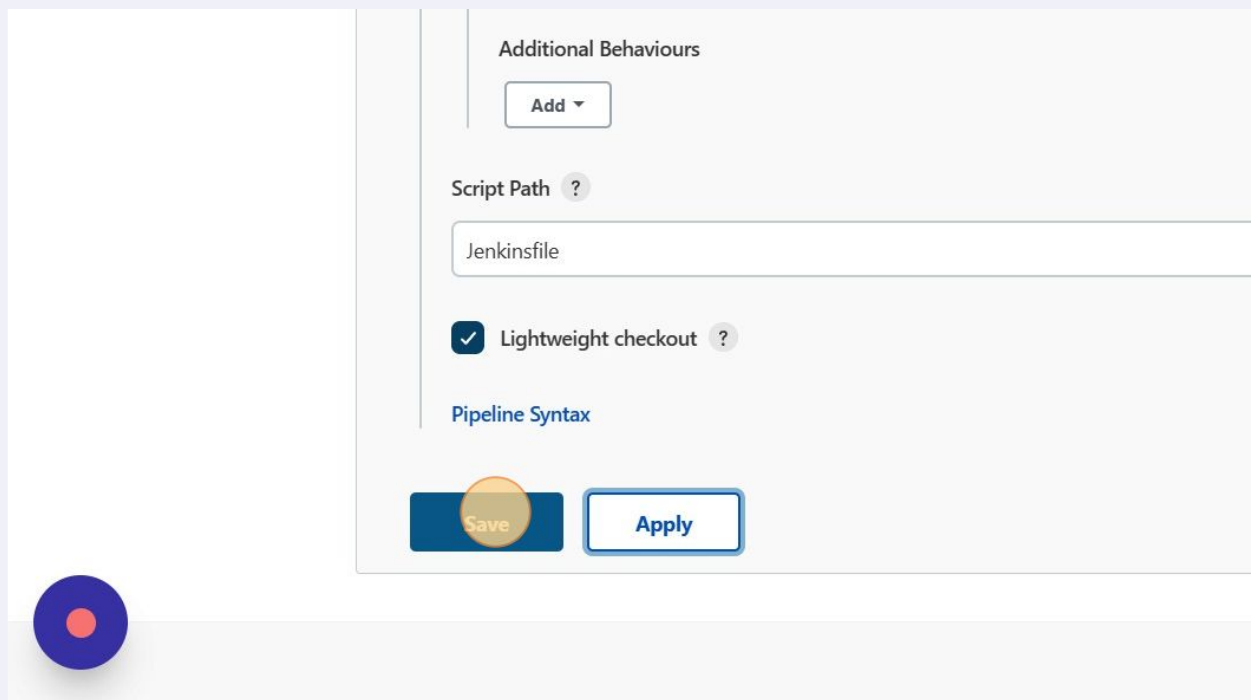
Jenkinsfile

☒ Lightweight checkout ?

Pipeline Syntax

Save Apply

21 Click "Save"



The image shows the same Jenkins Pipeline Configuration page as above. The configuration is identical: 'Additional Behaviours' section, 'Script Path' set to 'Jenkinsfile', and 'Lightweight checkout' checked. However, the 'Save' button is now highlighted with a blue border and a yellow circle, while the 'Apply' button is no longer highlighted. The blue circular icon in the bottom left corner remains.

Additional Behaviours

Add

Script Path ?

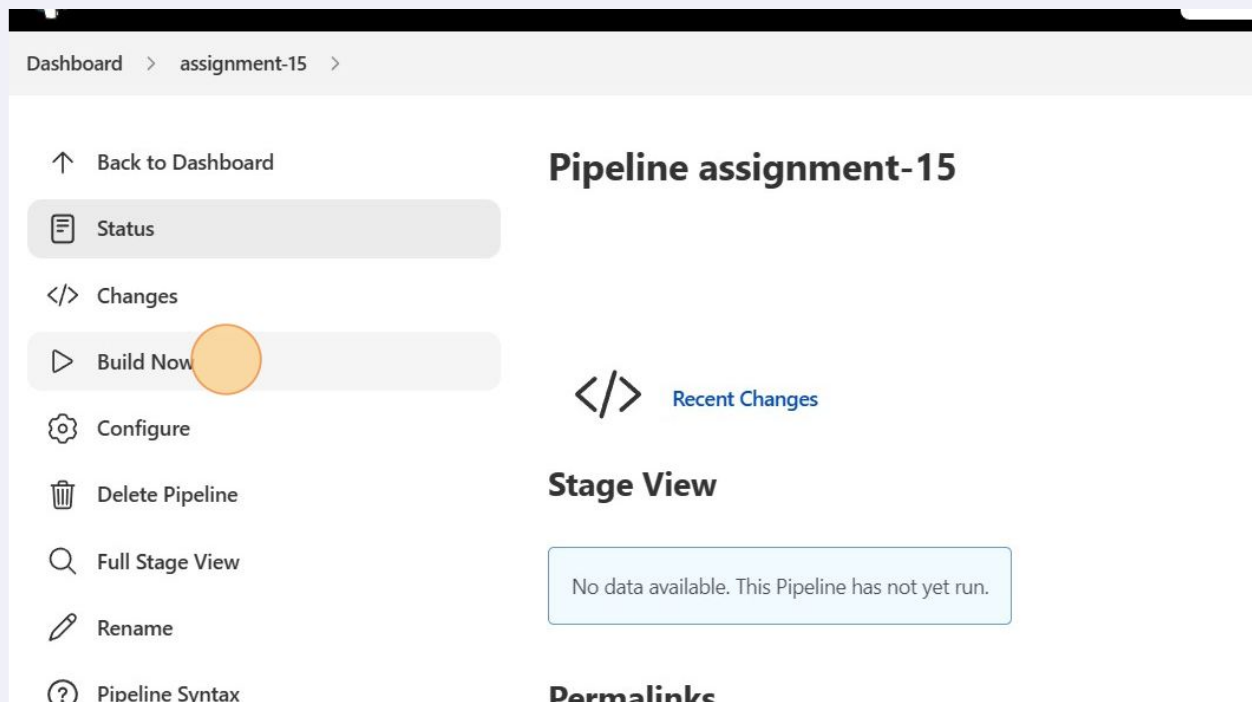
Jenkinsfile

☒ Lightweight checkout ?

Pipeline Syntax

Save Apply

## 22 Click "Build Now"



Dashboard > assignment-15 >

↑ Back to Dashboard

📄 Status

</> Changes

▶ Build Now

⚙️ Configure

🗑️ Delete Pipeline

🔍 Full Stage View

✎ Rename

🔗 Pipeline Syntax

### Pipeline assignment-15

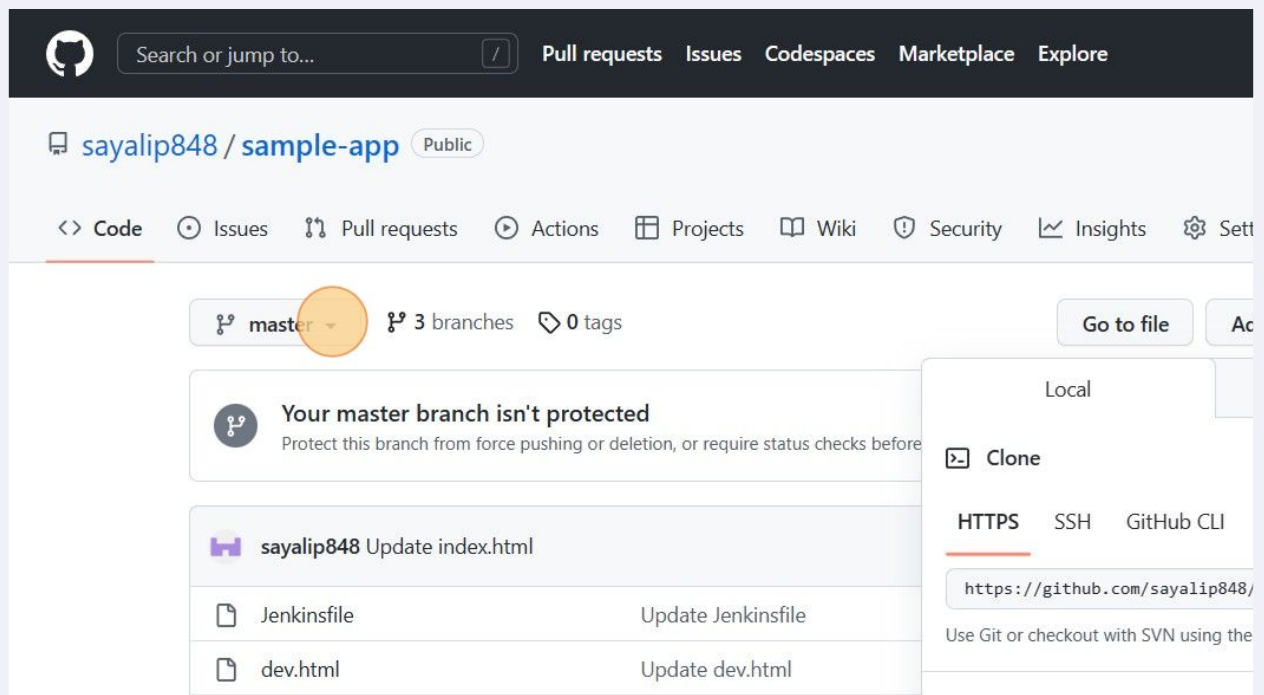
</> [Recent Changes](#)

### Stage View

No data available. This Pipeline has not yet run.

### Permalinks

## 23 Click "Code"



Search or jump to... Pull requests Issues Codespaces Marketplace Explore

sayalip848 / sample-app Public

<> Code Issues Pull requests Actions Projects Wiki Security Insights Settings

🔗 master 3 branches 0 tags

Go to file

Your master branch isn't protected

sayalip848 Update index.html

📄 Jenkinsfile	Update Jenkinsfile
📄 dev.html	Update dev.html

Clone

HTTPS SSH GitHub CLI

<https://github.com/sayalip848/>

Use Git or checkout with SVN using the

## 24 Click "master"

sayalip848 / sample-app Public

<> Code Issues Pull requests Actions Projects Wiki Security Insights Settings

master 3 branches 0 tags Go to file

**Your master branch isn't protected**  
Protect this branch from force pushing or deletion, or require status checks before merging. [Learn more](#)

sayalip848	Update index.html	cccae5b	1 h
📄 Jenkinsfile	Update Jenkinsfile		
📄 dev.html	Update dev.html		

## 25 Click "master"

<> Code Issues Pull requests Actions Projects Wiki Security Insights Settings

master 3 branches 0 tags Go to file

Switch branches/tags

Find or create a branch...

Branches Tags

✓ master default

22Q1


22Q2


[View all branches](#)




Update Jenkinsfile
Update dev.html
Update index.html

Help people interested in this repository understand your project by adding a README.


## 26 Click "index.html"

 **Your master branch isn't protected**  
Protect this branch from force pushing or deletion, or require status checks before merging. [Learn more](#)

 **sayalip848** Update index.html cccae5b 1 h

 Jenkinsfile	Update Jenkinsfile
 dev.html	Update dev.html
 <b>index.html</b>	Update index.html


Help people interested in this repository understand your project by adding a README.



## 27 Click this icon.

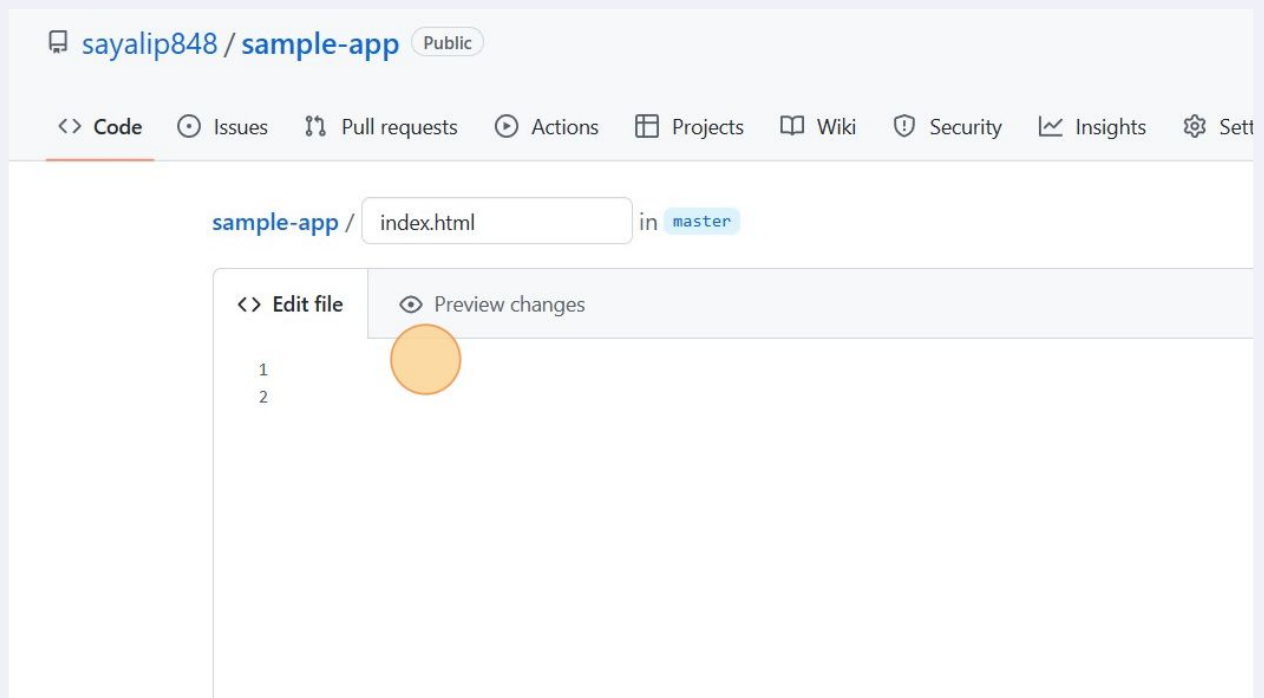
[Go to file](#) [...](#)

Latest commit cccae5b 1 hour ago [History](#)

[Raw](#) [Blame](#)  [Copy](#) [Delete](#)

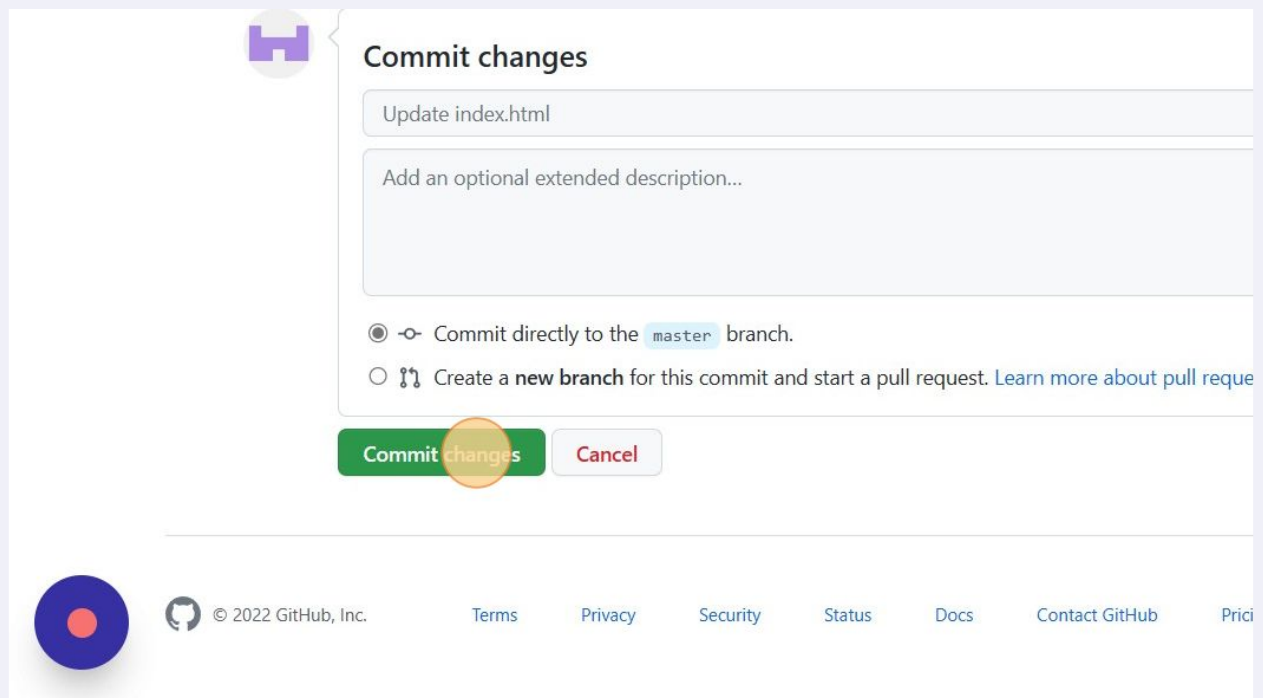
[Docs](#) [Contact GitHub](#) [Pricing](#) [API](#) [Training](#) [Blog](#) [About](#)

28 Click ""



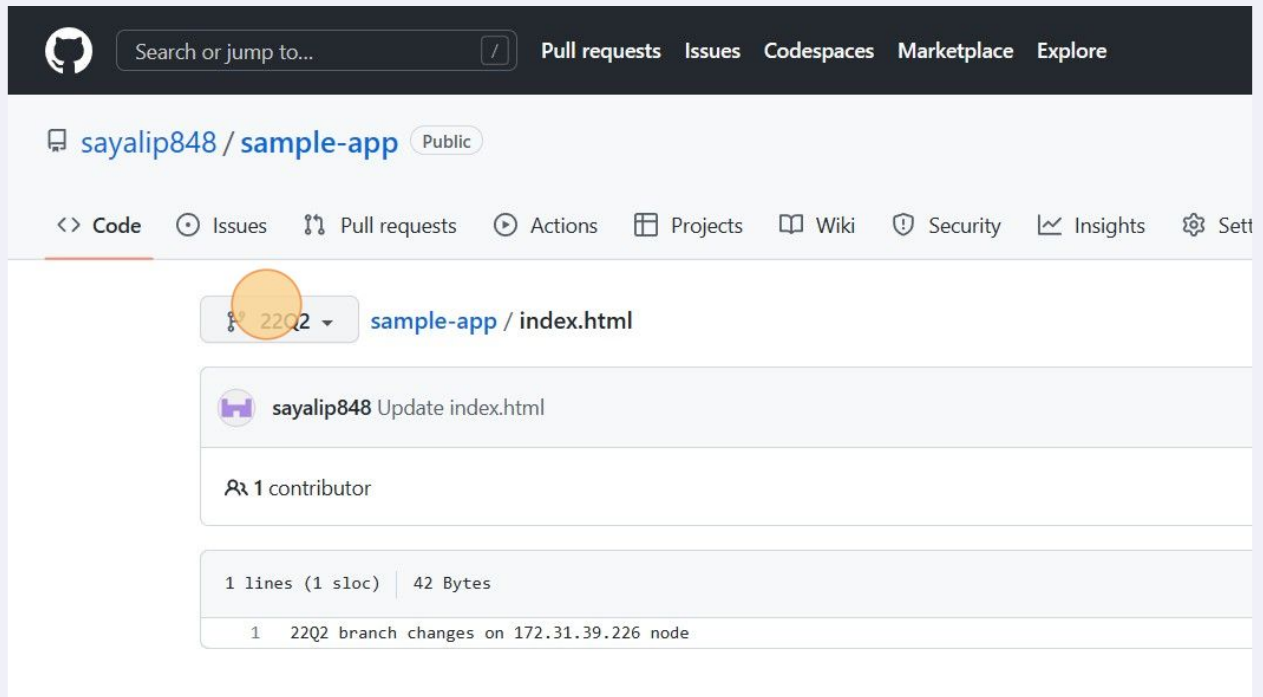
29 Type "master branch changes on jenkins master"

30 Click "Commit changes"

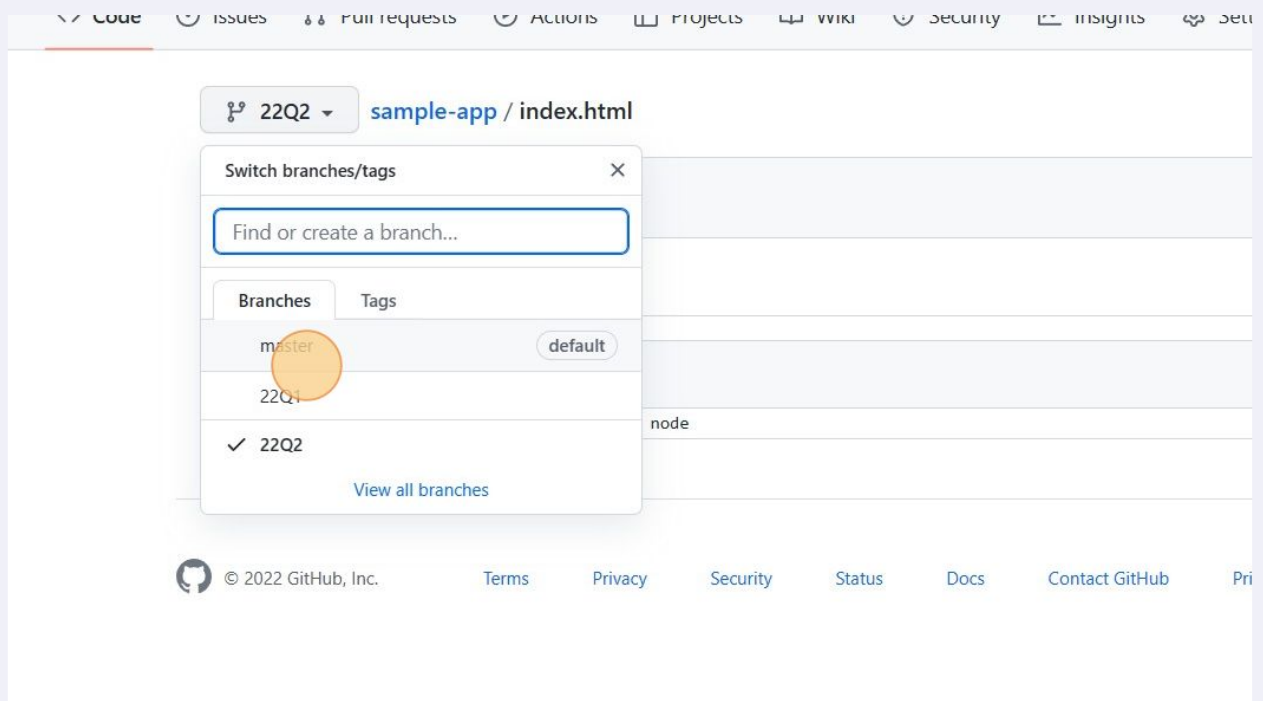


31 Navigate to [github.com/sayalip848/sample-app/blob/22Q2/inde...](https://github.com/sayalip848/sample-app/blob/22Q2/index.html)

### 32 Click "22Q2"

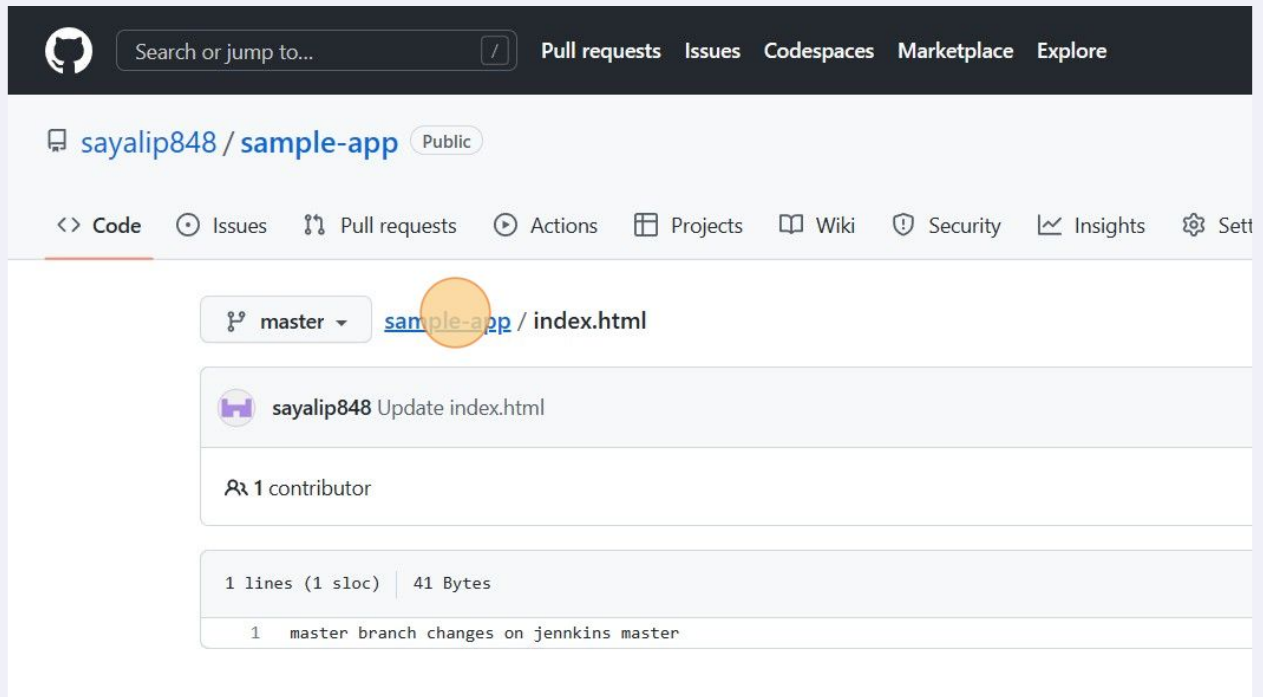


### 33 Click "master default"

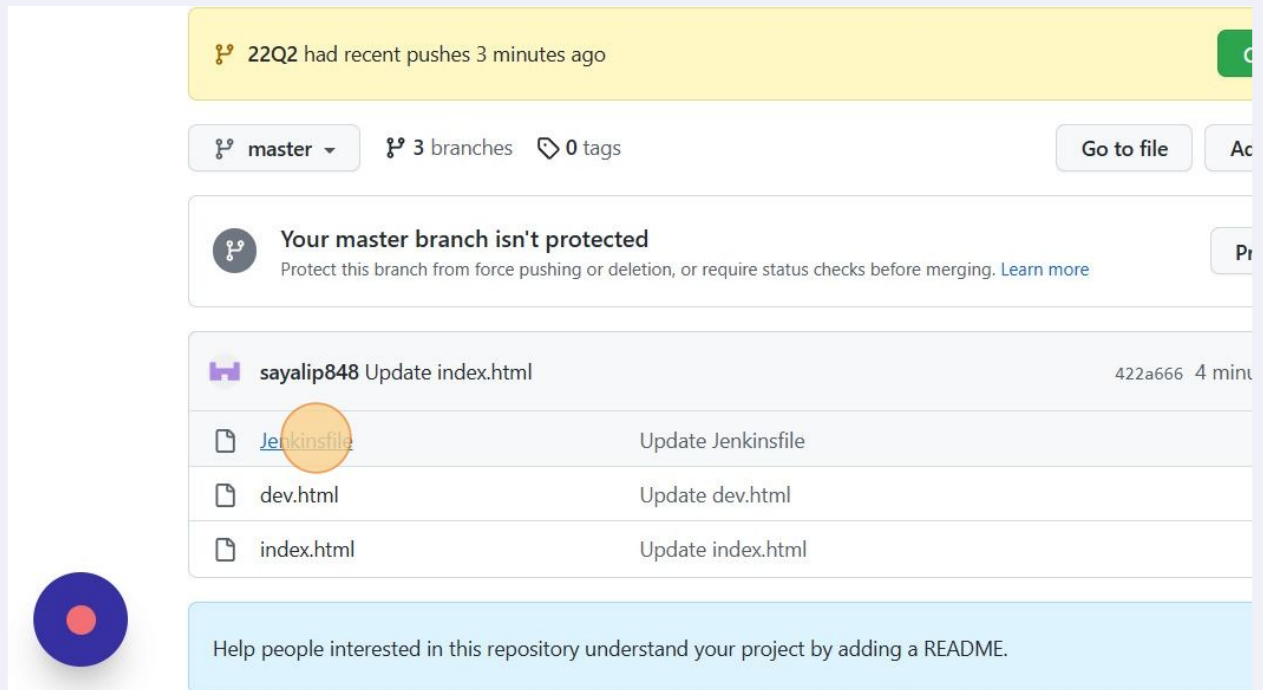




### 34 Click "sample-app"



### 35 Click "Jenkinsfile"



### 36 Click "pipeline {"

master sample-app / Jenkinsfile

sayalip848 Update Jenkinsfile


1 contributor

15 lines (15 sloc) | 192 Bytes


```
1 pipeline {
2     agent {
3         label {
4             label 'built-in'
5             customWorkspace '/mnt/project/test'
6         }
7     }
8     stages {
9         stage ('deploy') {
10             steps {
11                 sh "cp -r index.html /var/www/html"
12             }
13         }
14     }
15 }
```

### 37 Switch to tab "Pipeline Syntax: Snippet Generator [Jenkins]"


### 38 Click here.




Delete Pipeline




Full Stage View




Rename



Pipeline Syntax




GitHub Hook Log




Build History

trend ▾




Filter builds...


#2




(pending)—In the quiet period. Expires in 1.5 sec)



Dec 23, 2022 5:57 AM



Atom feed for all



Atom feed for failures

### Stage View

Average stage times:  
(Average full run time: ~9s)

#1

Dec 23  
05:57

No  
Changes

Declarative: Checkout SCM	deploy
1s	505ms
1s	505ms


### Permalinks

⬆


⬆

⬇


### 39 Click here.




Delete Pipeline




Full Stage View




Rename



Pipeline Syntax




GitHub Hook Log




Build History

trend ▾




Filter builds...


#2




(pending)—In the quiet period. Expires in 1.5 sec)



Dec 23, 2022 5:57 AM



Atom feed for all



Atom feed for failures

### Stage View

Average stage times:  
(Average full run time: ~9s)

#1

Dec 23  
05:57

No  
Changes

Declarative: Checkout SCM	deploy
1s	505ms
1s	505ms

### Permalinks

⬆

⬆

⬇

40 Switch to tab "Connect to instance | EC2 Management Console"

41 Click this checkbox.

The screenshot shows the AWS Management Console interface. The top navigation bar includes the AWS logo, a 'Services' menu, a search bar, and a keyboard shortcut '[Alt+S]'. Below the navigation bar, there are icons for various services: EC2, VPC, EFS, S3, IAM, CloudWatch, and Simple Notification Service. The left sidebar contains a 'New EC2 Experience' toggle and a list of navigation links: EC2 Dashboard, EC2 Global View, Events, Tags, Limits, and a dropdown for 'Instances'. The 'Instances' dropdown is expanded, showing 'Instances' (highlighted in orange), Instance Types, Launch Templates, and Spot Requests. The main content area is titled 'Instances (3) Info' and features a search bar with the placeholder text 'Find instance by attribute or tag (case-sensitive)'. Below the search bar is a table with three columns: 'Name', 'Instance ID', and 'Instance state'. The table lists three instances: 'jenkins-master' (Instance ID: i-02ece85701be7aec8, State: Running), 'slave1' (Instance ID: i-07b24de6a60e8e732, State: Running), and 'slave2' (Instance ID: i-071f5dca195e964cd, State: Running). The checkbox for the 'jenkins-master' instance is highlighted with an orange circle. Below the table, there is a section titled 'Select an instance'.

<input type="checkbox"/>	Name	Instance ID	Instance state	Instance type
<input checked="" type="checkbox"/>	jenkins-master	i-02ece85701be7aec8	Running	t2.micro
<input type="checkbox"/>	slave1	i-07b24de6a60e8e732	Running	t2.micro
<input type="checkbox"/>	slave2	i-071f5dca195e964cd	Running	t2.micro

42 Click here.

The screenshot displays the AWS Management Console interface for an EC2 instance. The instance is named 'jenkins-master' with ID 'i-02ece85701be7aec8'. The 'Details' tab is selected, showing a summary of the instance's configuration. A red circle highlights the 'Public IPv4 address' field, which displays '5.2.181.224' with a copy icon and a link to 'open address'. Other visible details include the instance state as 'Running', the private IP address 'ip-172-31-34-123.ap-south-1.compute.internal', and the public IP address 'ip-172-31-34-123.ap-south-1.compute.internal'. The footer of the console shows the copyright notice '© 2022, Amazon Web Services India Private'.

Instance: i-02ece85701be7aec8 (jenkins-master)						
Details	Security	Networking	Storage	Status checks	Monitoring	Tags
<b>▼ Instance summary</b> <a href="#">Info</a>						
Instance ID	Public IPv4 address		Private IPv4 address			
i-02ece85701be7aec8 (jenkins-master)	5.2.181.224   <a href="#">open address</a>		172.31.34.123			
IPv6 address	Instance state		Public IPv6 address			
—	<b>Running</b>		e85701be7aec8.ap-south-1.compute.amazonaws.com			
Hostname type	Private IP DNS name (IPv4 only)		Public IP DNS name (IPv4 only)			
IP name: ip-172-31-34-123.ap-south-1.compute.internal	ip-172-31-34-123.ap-south-1.compute.internal		ip-172-31-34-123.ap-south-1.compute.internal			

Don't know what you're looking for? Find it in the new [Unified Settings](#)

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43 Switch to tab "New tab"

#### 44 Click "master branch changes on jenkins master"

master branch changes on jenkins master

#### 45 Click "master"

The screenshot shows the GitHub interface for the repository 'sayalip848 / sample-app'. The 'master' branch is selected in the branch dropdown. The commit history shows a single commit by 'sayalip848' titled 'Update index.html'. The commit details show 1 line of code (1 sloc) and 41 Bytes. The commit message is 'master branch changes on jenkins master'.

Search or jump to... Pull requests Issues Codespaces Marketplace Explore

sayalip848 / sample-app Public

<> Code Issues Pull requests Actions Projects Wiki Security Insights Settings

master sample-app / index.html

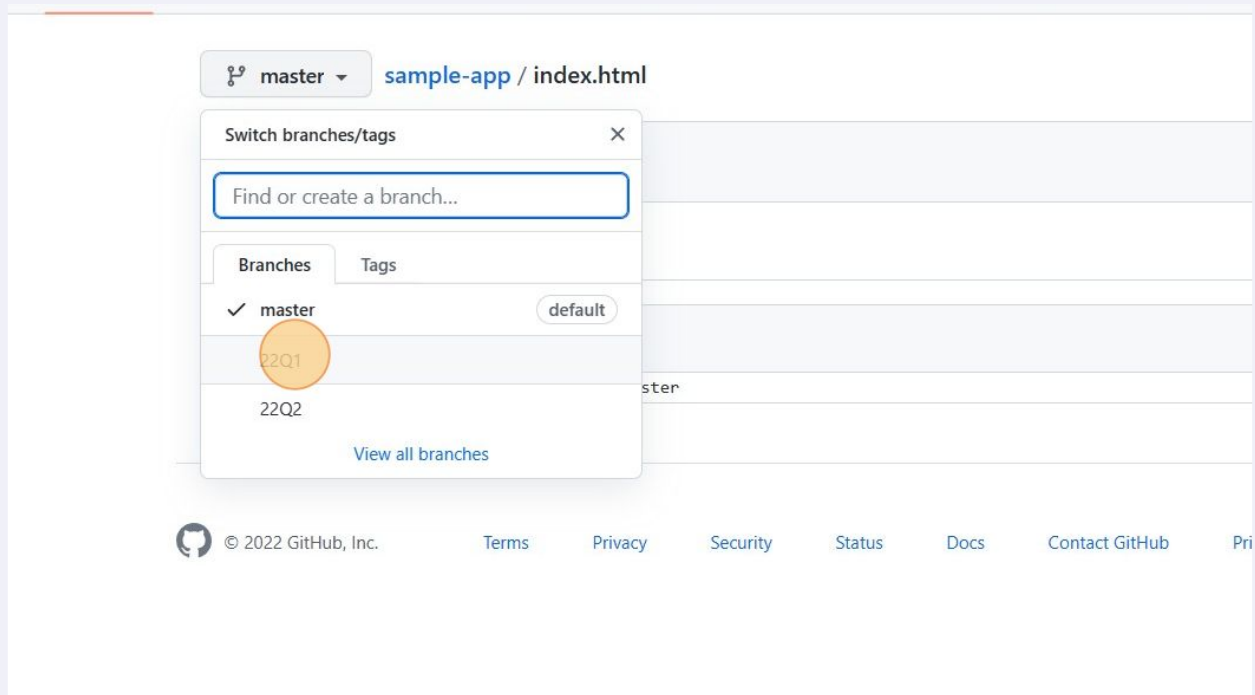
sayalip848 Update index.html

1 contributor

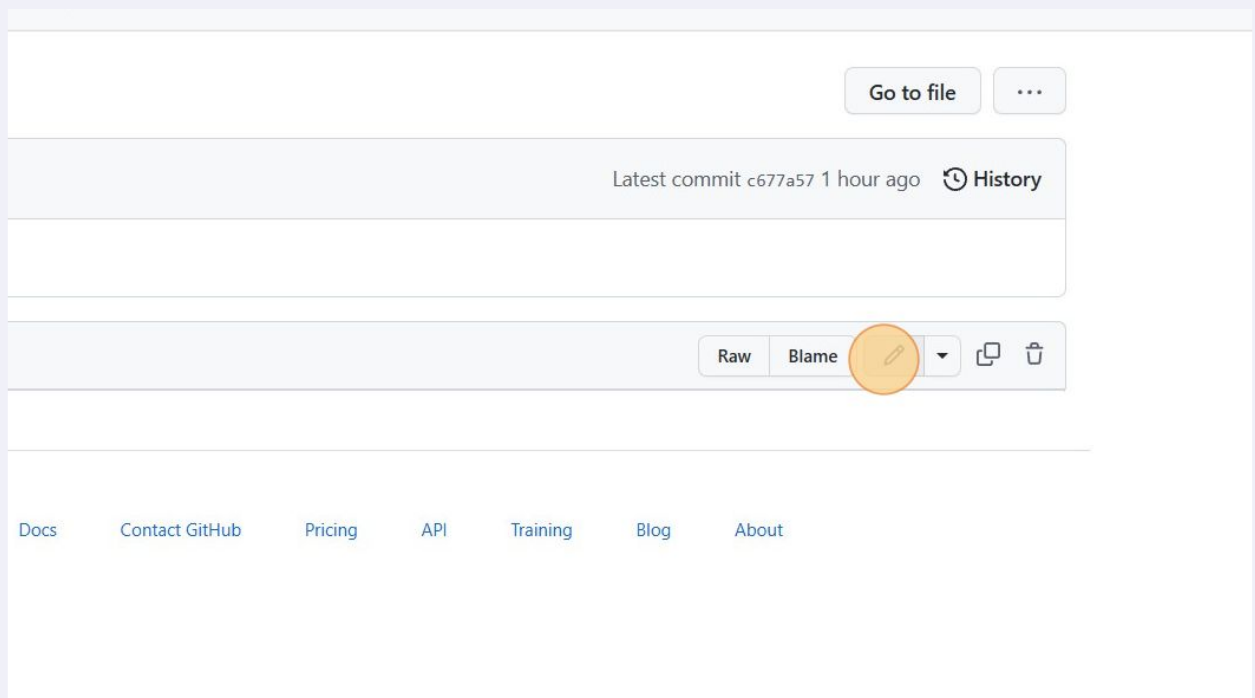
1 lines (1 sloc) 41 Bytes

1 master branch changes on jenkins master

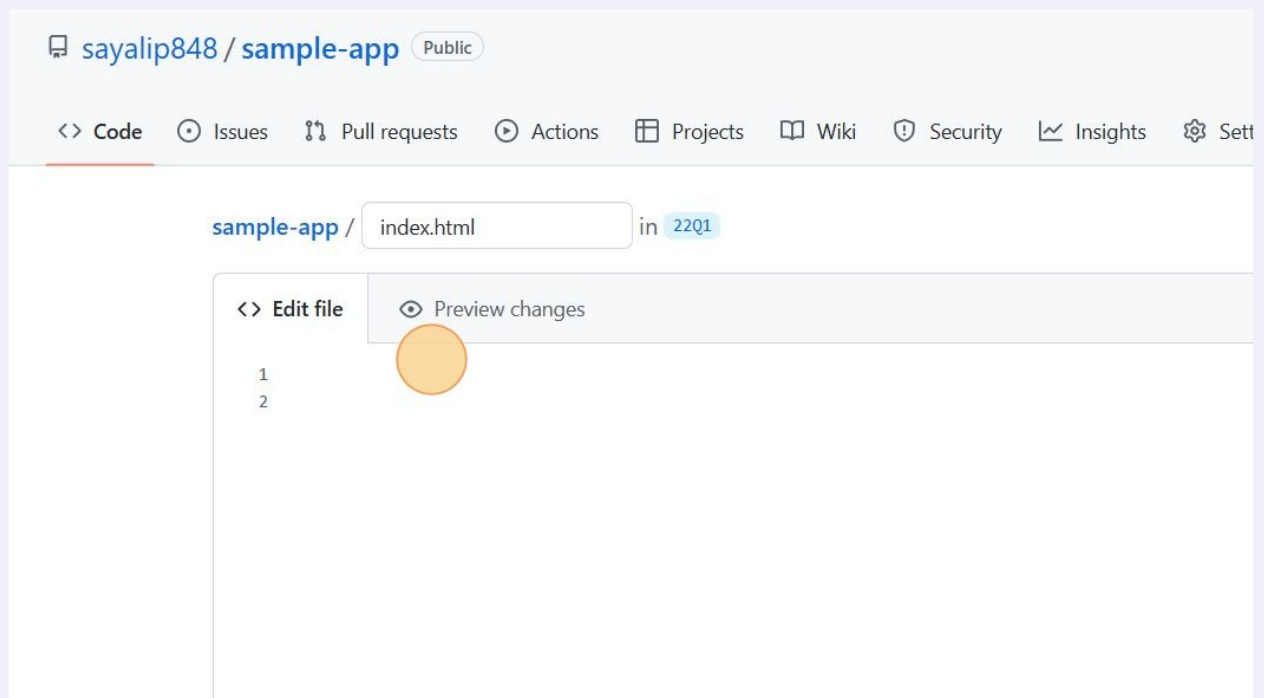
46 Click "22Q1"



47 Click this icon.



**48** Click here.




**49** Type "22Q1 branch changes on"

**50** Navigate to [github.com/sayalip848/sample-app/blob/master/le...](https://github.com/sayalip848/sample-app/blob/master/le...)



## 51 Click "label '172.31.41.11'"



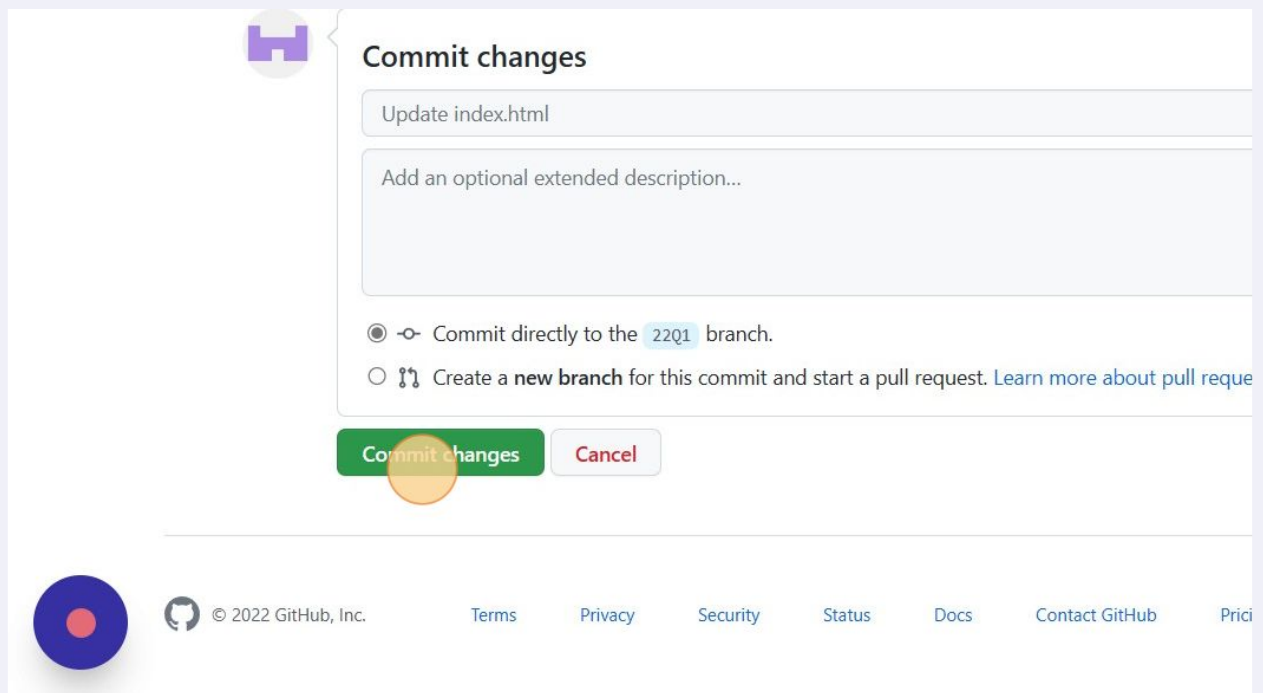
sayalip848 Update Jenkinsfile

1 contributor

15 lines (15 sloc) | 171 Bytes

```
1 pipeline {
2   agent {
3     label '172.31.41.11'
4   }
5   tools {
6     git 'git'
7   }
8   stages {
9     stage ('deploy') {
10      steps {
11        sh "sudo cp -r index.html /var/www/html"
12      }
13    }
14  }
```

## 52 Click "Commit changes"



Commit changes

Update index.html

Add an optional extended description...

☒ Commit directly to the 22Q1 branch.

☐ Create a new branch for this commit and start a pull request. [Learn more about pull requests](#)

Commit changes Cancel

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53 Click here.

Delete Pipeline

Full Stage View

Rename

Pipeline Syntax

GitHub Hook Log

Build History

trend

er builds...

Dec 23, 2022 5:58 AM

Dec 23, 2022 5:57 AM

Atom feed for all

Atom feed for failures

Stage View

Average stage times:  
(Average full run time: ~5s)

#2

Dec 23  
05:58

No  
Changes

Declarative: Checkout SCM	Declarative: Tool Install
2s	132ms
2s	132ms

Permalinks

54 Click here.

Delete Pipeline

Full Stage View

Rename

Pipeline Syntax

GitHub Hook Log

Build History

trend

Filter builds...

#3

(pending)—In the quiet period. Expires in 1.5 sec

Dec 23, 2022 5:58 AM

Dec 23, 2022 5:57 AM

Stage View

Average stage times:  
(Average full run time: ~5s)

#2

Dec 23  
05:58

No  
Changes

Declarative: Checkout SCM	Declarative: Tool Install
2s	132ms
2s	132ms

Permalinks

↑

↑

↓

55 Click here.

Instance: i-07b24de6a60e8e732 (slave1)

Details | Security | Networking | Storage | Status checks | Monitoring | Tags

▼ Instance summary Info

Instance ID	Public IPv4 address	Private IPv4 address
i-07b24de6a60e8e732 (slave1)	65.0.93.171   <a href="#">open address</a>	172.31.41.11
IPv6 address	Instance state	Public IPv6 address
—	Running	ec2-172-31-41-11.ap-south-1.compute.internal   <a href="#">open</a>
Hostname type	Private IP DNS name (IPv4 only)	
IP name: ip-172-31-41-11.ap-south-1.compute.internal	ip-172-31-41-11.ap-south-1.compute.internal	

Don't know where to find it? Find it in the new [Unified Settings](#)

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56 Navigate to [65.0.93.171](https://65.0.93.171)

## 57 Click "22Q1 branch changes on 172.31.41.11 node"

22Q1 branch changes on 172.31.41.11 node

## 58 Click "22Q1"

Search or jump to... Pull requests Issues Codespaces Marketplace Explore

sayalip848 / sample-app Public

<> Code Issues Pull requests Actions Projects Wiki Security Insights Settings

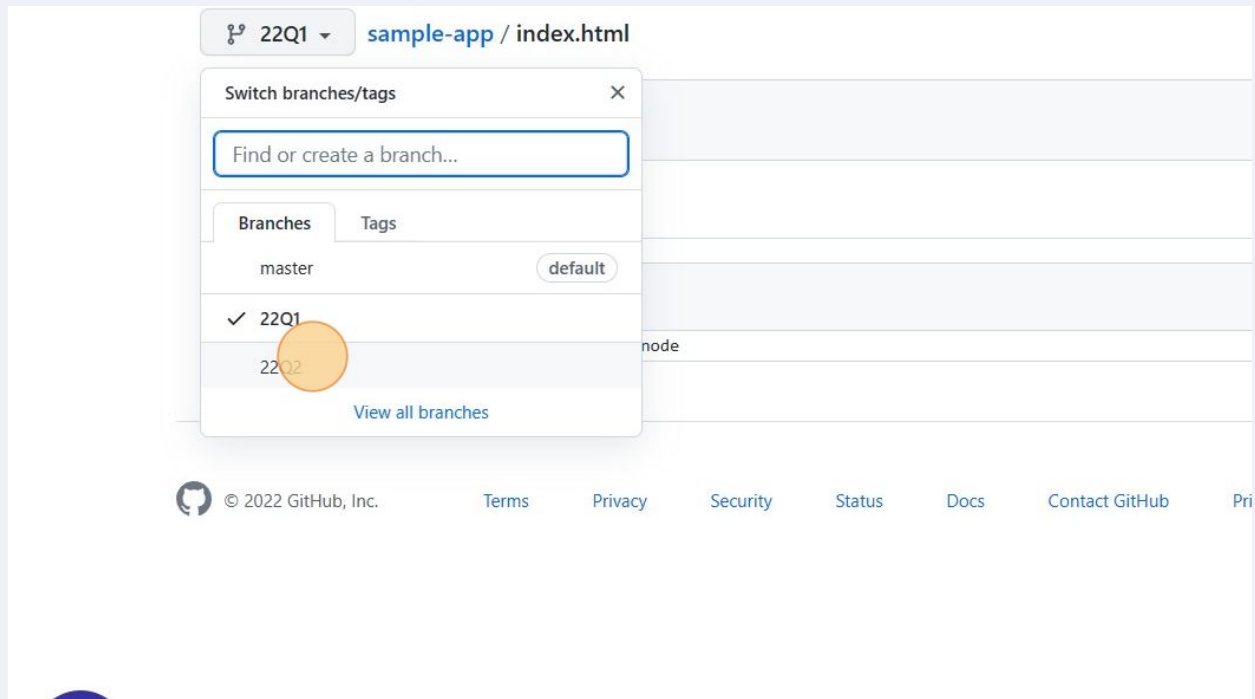
sample-app / index.html

sayalip848 Update index.html

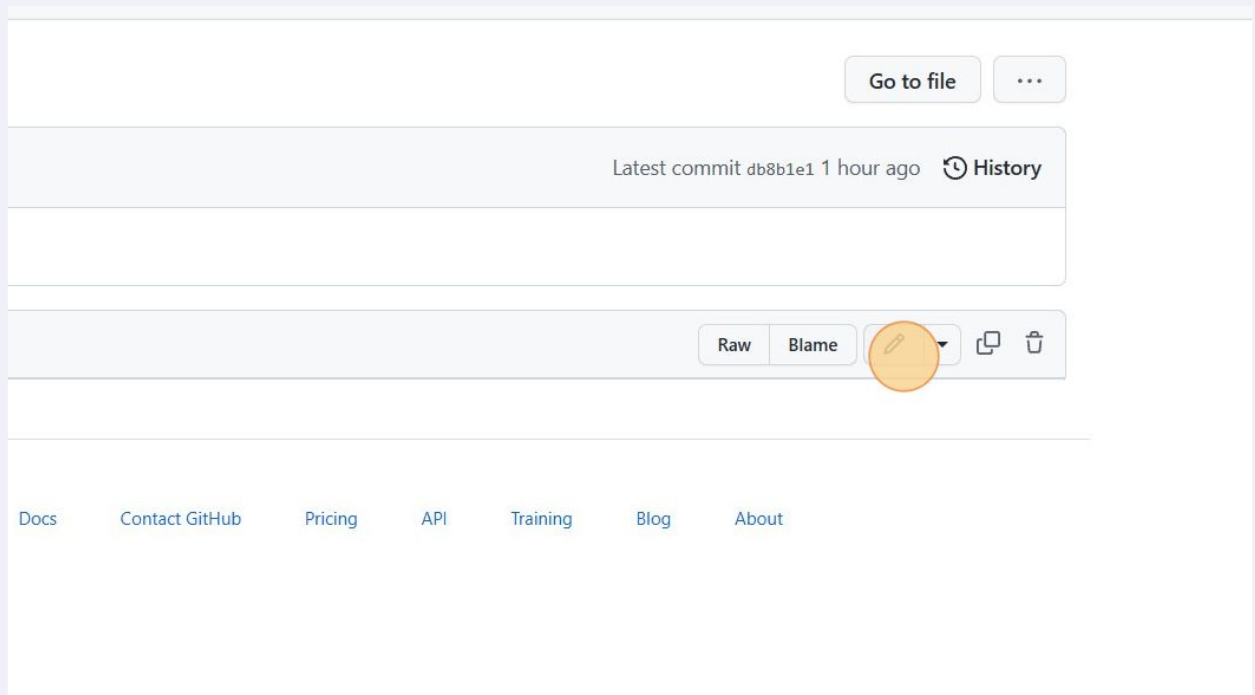
1 contributor

1 lines (1 sloc)	41 Bytes
1	22Q1 branch changes on 172.31.41.11 node

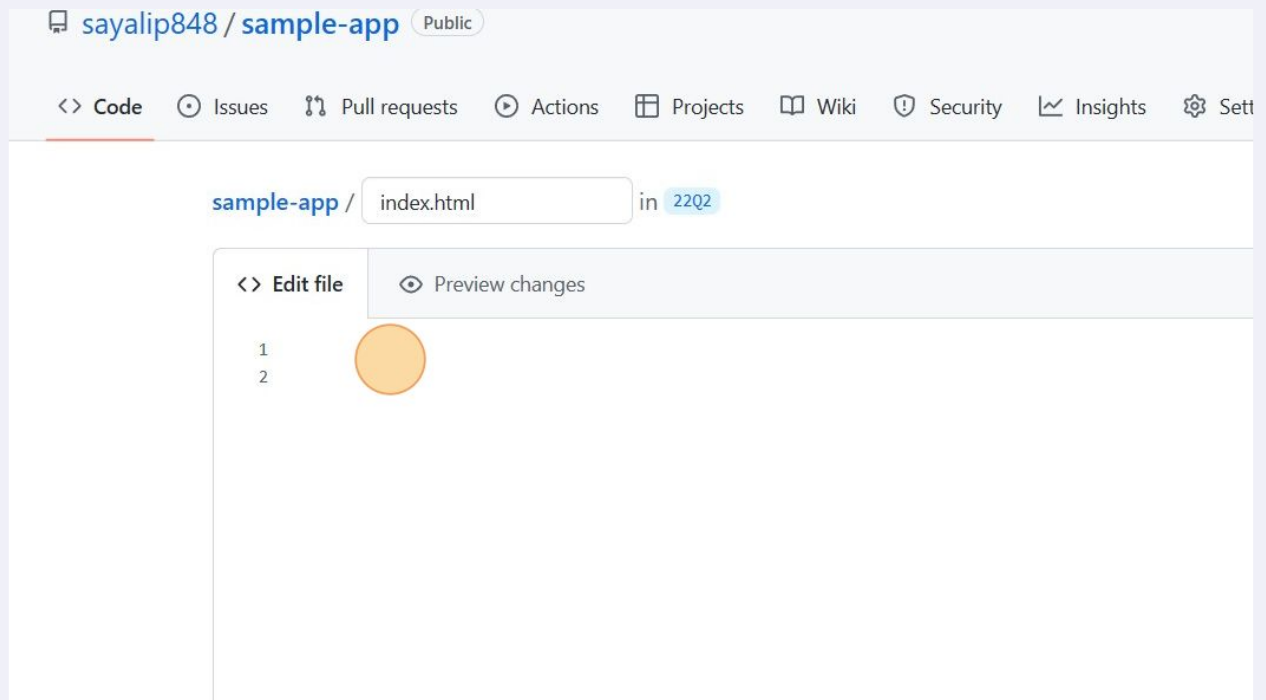
59 Click "22Q2"



60 Click this button.



**61** Click ""



**62** Type "22Q2 branch changes on"

### 63 Click "Commit changes"

Commit changes

Update index.html

Add an optional extended description...

☒ Commit directly to the 22Q2 branch.

☐ Create a new branch for this commit and start a pull request. [Learn more about pull request](#)

Commit changes Cancel

### 64 Click here.

Full Stage View

Rename

Pipeline Syntax

GitHub Hook Log

Build History trend

Filter builds...

#4 (pending—In the quiet period. Expires in 1.8 sec)

#3 Dec 23, 2022 5:59 AM

#2 Dec 23, 2022 5:58 AM

#1 Dec 23, 2022 5:57 AM

Atom feed for all Atom feed for failures

	Declarative: Checkout SCM	deploy
Average stage times: (Average full run time: ~3s)	1s	628ms
#3 Dec 23 05:59 No Changes	1s	628ms

Permalinks

65 Click "(pending—In the quiet period. Expires in 1.8 sec)"

The screenshot shows the GitHub Actions interface. On the left, there's a sidebar with options: Full Stage View, Rename, Pipeline Syntax, and GitHub Hook Log. Below this is the 'Build History' section with a search bar and a list of builds. Build #4 is highlighted with a blue circle and a tooltip that says '(pending—In the quiet period. Expires in 1.8 sec)'. Build #3 is highlighted with an orange circle. To the right, there's a table showing stage times for 'Declarative: Checkout SCM' and 'deploy'. The 'Average stage times' are 1s and 628ms respectively. The 'Average full run time' is ~3s. Below the table, there's a 'Permalinks' section.

Stage	Declarative: Checkout SCM	deploy
Average stage times:	1s	628ms
(Average full run time: ~3s)		

Build History:

- #4 (pending—In the quiet period. Expires in 1.8 sec)
- #3 Dec 23, 2022 5:59 AM
- #2 Dec 23, 2022 5:58 AM
- #1 Dec 23, 2022 5:57 AM

Permalinks

66 Click here.

The screenshot shows the AWS Management Console 'Instance: i-071f5dca195e964cd (slave2)' page. The 'Details' tab is selected. The 'Instance summary' section shows the instance ID, public IPv4 address (55.154.17.224), and instance state (Running). A tooltip is visible over the public IPv4 address, showing a green checkmark and the text 'Private IPv4 address is not assigned'. The footer shows '© 2022, Amazon Web Services India Private Limited'.

Instance: i-071f5dca195e964cd (slave2)

Details | Security | Networking | Storage | Status checks | Monitoring | Tags

▼ Instance summary Info

Instance ID  
i-071f5dca195e964cd (slave2)

IPv6 address  
-

Hostname type  
IP name: ip-172-31-39-226.ap-south-1.compute.internal

Public IPv4 address  
55.154.17.224 | open address

Instance state  
Running

Private IP DNS name (IPv4 only)  
ip-172-31-39-226.ap-south-1.compute.internal

Private IPv4 address is not assigned

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**67** Switch to tab "New tab"

**68** Click "22Q2 branch changes on 172.31.39.226 node"

22Q2 branch changes on 172.31.39.226 node