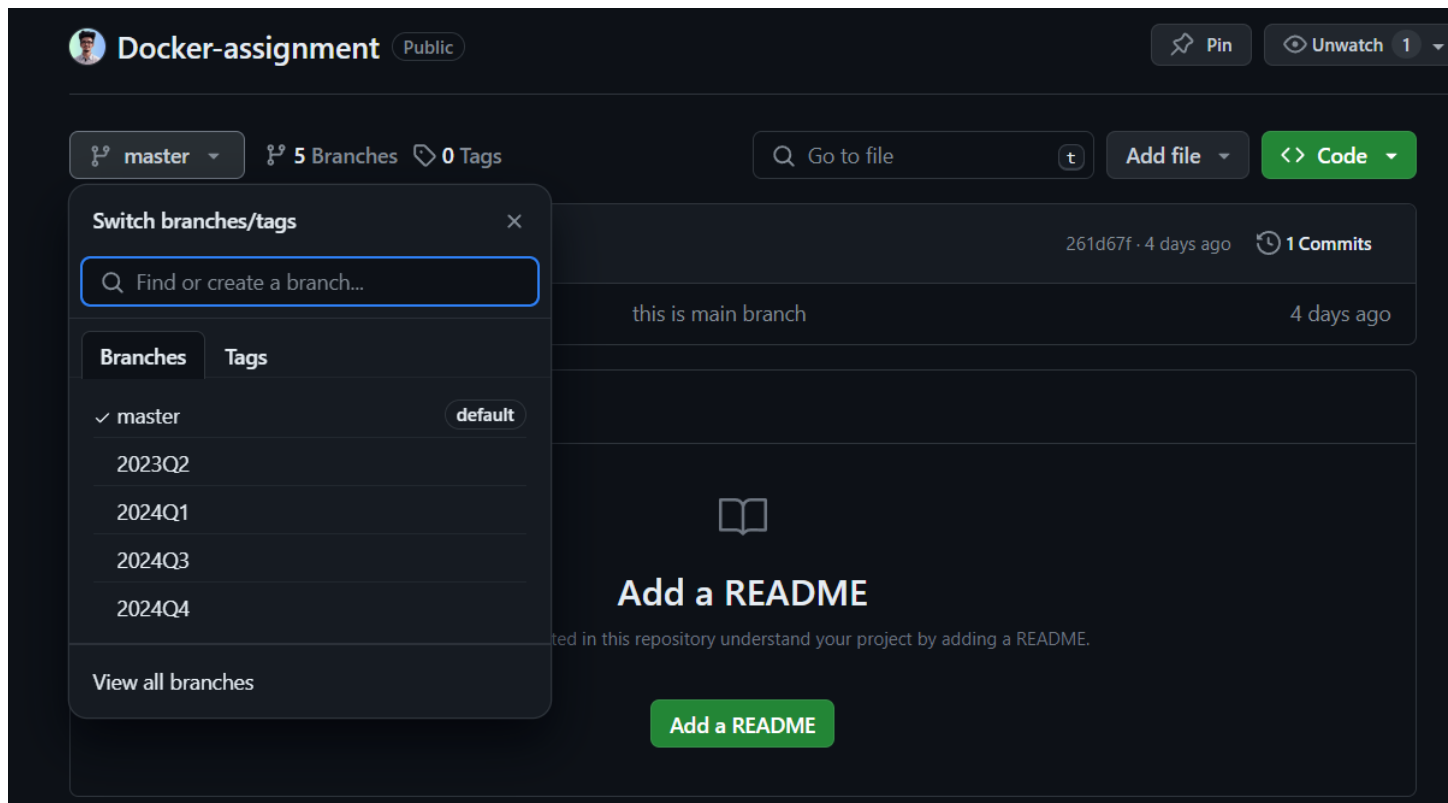# Docker Assignment 2

Scenario : Deploy the Git repository, which has two branches named 2024Q1 and 2024Q2 and contains a file named index.html, on two Jenkins slaves. Use SSH connections on port 80 for both slaves.

1. Launch an EC2 instance.

2. Install Java 11 on the instance.

3. Install Tomcat.

4. Download the Jenkins WAR file into the webapps folder of Tomcat and initiate Tomcat.

5. Create a GitHub repository with two branches, as depicted in the screenshot below, and add an index.html file to it.

❖ Establish SSH connections between the master and slaves.

❖ Set up home root paths for the slaves, naming them "slave-1" and "slave-2" for the respective slaves.

❖ Configure SSH connections with appropriate settings/

Slave-1 Configure :

Dashboard > Nodes > slave-1 > Configure

Open Blue Ocean

Build Executor Status ⌄

1 Idle
2 Idle
3 Idle
4 Idle
5 Idle

Remote root directory ?

/mnt/slave-1

Labels ?

slave1

Usage ?

Use this node as much as possible ⌄

Launch method ?

Launch agents via SSH ⌄

Host ?

172.31.8.221

Credentials ?

ec2-user (this is slave ssh connection) ⌄

+ Add ▾

Save

Slave-2 Configure :

Dashboard > Nodes > slave-2 > Configure

built-in node (0 of 12 executors busy)

Labels ?

slave2

Usage ?

Use this node as much as possible ⌄

Launch method ?

Launch agents via SSH ⌄

Host ?

172.31.36.46

Credentials ?

ec2-user (ssh connection) ⌄

+ Add ▾

Host Key Verification Strategy ?

Manually trusted key Verification Strategy ⌄ ?

Save

Node Home Page :

Nodes

+ New Node   Node Monitoring   ↻

S	Name	Architecture	Clock Difference	Free Disk Space ↓	Free Swap Space	Free Temp Space	Response Time	
🖥	Built-In Node	Linux (amd64)	In sync	4.88 GB	❗ 0 B	4.88 GB	0ms	⚙
🖥	slave-1	Linux (amd64)	In sync	4.88 GB	❗ 0 B	4.88 GB	96ms	⚙
🖥	slave-2	Linux (amd64)	In sync	5.96 GB	❗ 0 B	5.96 GB	36ms	⚙
	Data obtained	1 min 34 sec	1 min 34 sec	1 min 34 sec	1 min 34 sec	1 min 34 sec	1 min 34 sec	

❖ Create a job named "doc-assignment2" here, choose the pipeline option, and configure it as shown in the screenshot below.

❖ Now we have successfully created the job doc-assignment2.
❖ Lets try to build it now.

Finally after lots of port binding error we solve the all issues and successfully build done.

Dashboard > doc-assignment2 > #10

🗎 Status	✓ **Build #10 (Mar 12, 2024, 9:12:40 AM)**
</> Changes	
⌨ Console Output	
☑ Edit Build Information	🕐 Started by user sanket chaudhari
🗑 Delete build '#10'	
🔵 Open Blue Ocean	

This is slave-1 output :

This is index file for 2024Q1

This is slave-2 output :

This is index file for 2024Q2