

Docker assignment 1

Scenario: From a GITHUB repo having 4 branches 2024 Q1,Q2,Q3,Q4 having file index.html should be launched on Jenkins master with different ports using port binding functionality of container like 80, 90, 8001, 8090 respectively using container created with httpd container

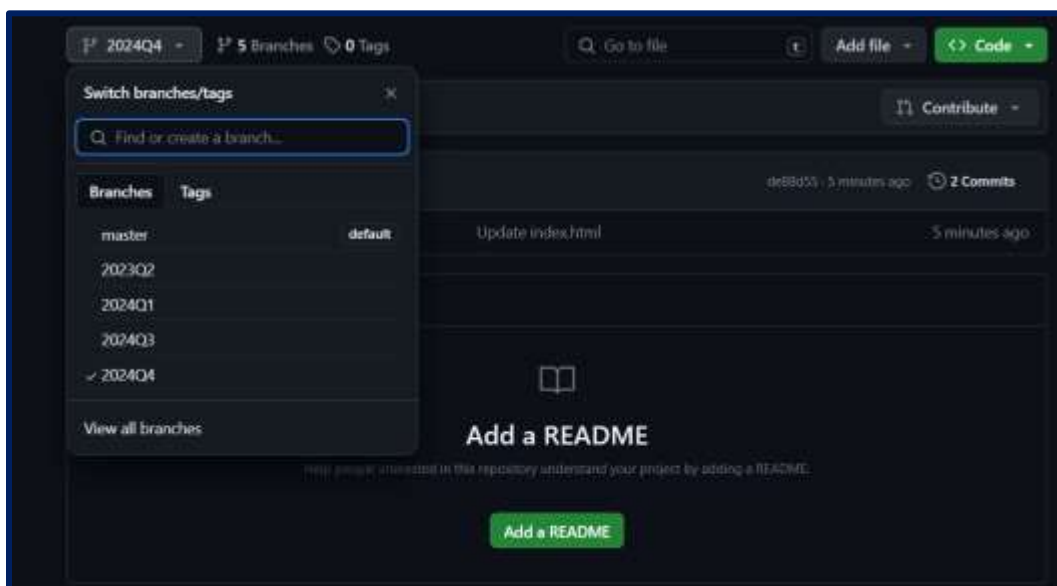
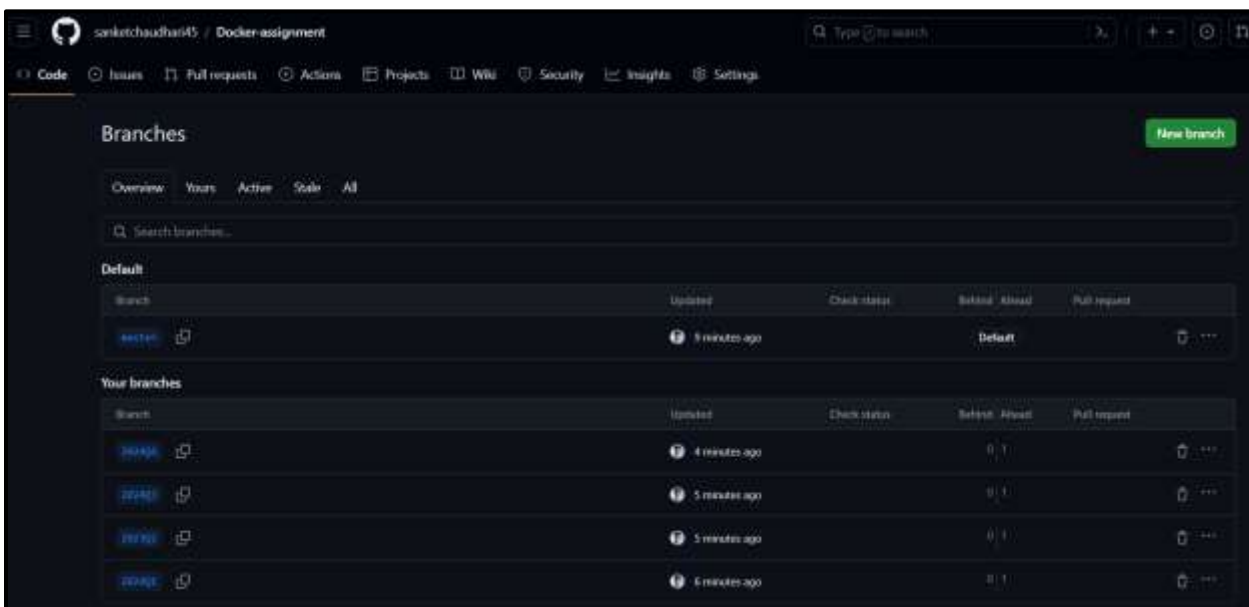
1. Set up an EC2 instance (virtual server).

2. Install Java 11 on the instance.

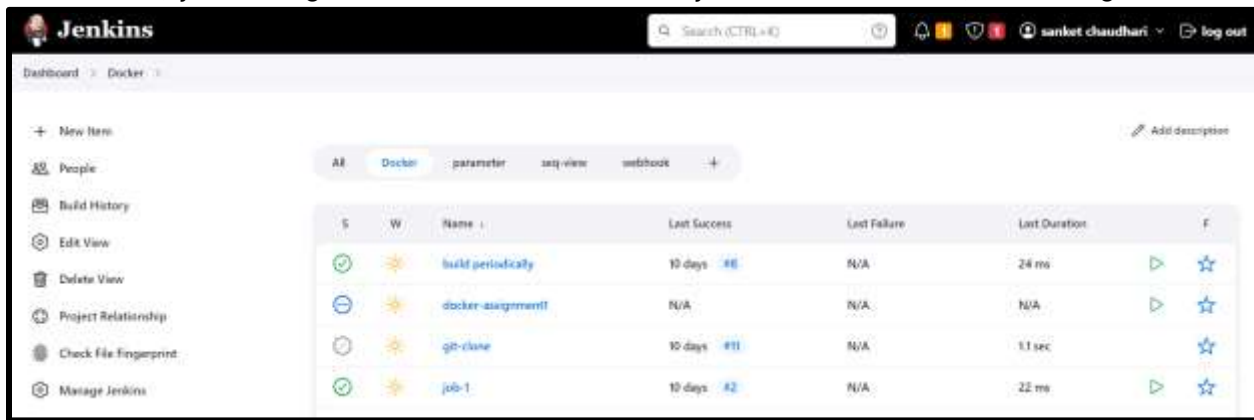
3. Install Tomcat for hosting web applications.

4. Download Jenkins (a tool for automation) and put it in Tomcat's webapps folder. Start Tomcat.

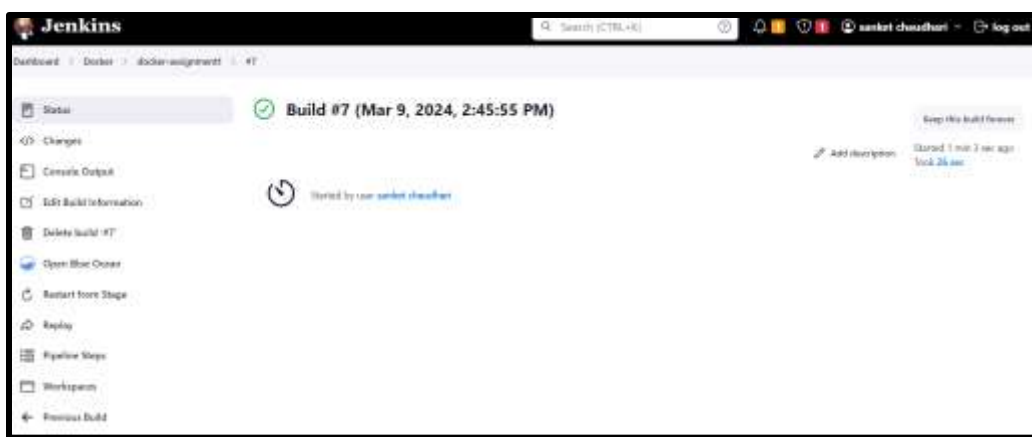
5. Create a GitHub repository with four branches. Add an 'index.html' file to the repository.



Once you've completed all the configurations outlined in the previous Jenkins assignment documents, you'll be greeted with a user-friendly Jenkins interface, mirroring the example provided.



- Build Successfully Done .



Here is the output after successfully on docker host.

```
[root@ip-172-31-8-221 ~]# docker ps
CONTAINER ID   IMAGE     COMMAND                  CREATED        STATUS        PORTS                                                                 NAMES
60584a268539   httpd     "httpd-foreground"      2 days ago    Up 2 days    0.0.0.0:8090->80/tcp, :::8090->80/tcp    2024Q4
16ef8771aa42   httpd     "httpd-foreground"      2 days ago    Up 2 days    0.0.0.0:8001->80/tcp, :::8001->80/tcp    2024Q3
cb6966fb6b95   httpd     "httpd-foreground"      2 days ago    Up 2 days    0.0.0.0:90->80/tcp, :::90->80/tcp        2024Q2
624fdc893d33   httpd     "httpd-foreground"      2 days ago    Up 2 days    0.0.0.0:80->80/tcp, :::80->80/tcp        2024Q1
[root@ip-172-31-8-221 ~]#
```

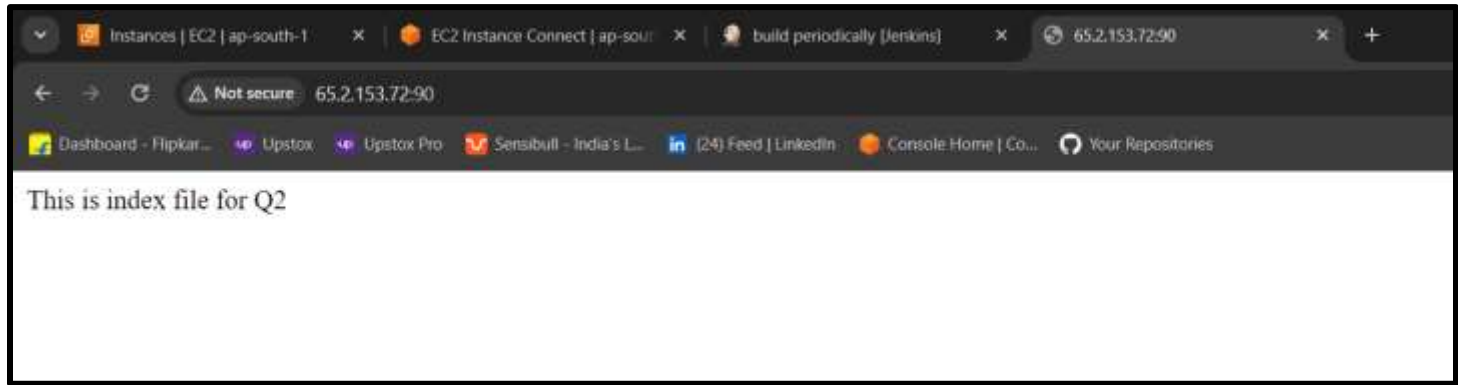
i-Ofab297cba1ba2ba8 (Jenkins)

PublicIPs: 65.2.153.72 PrivateIPs: 172.31.8.221

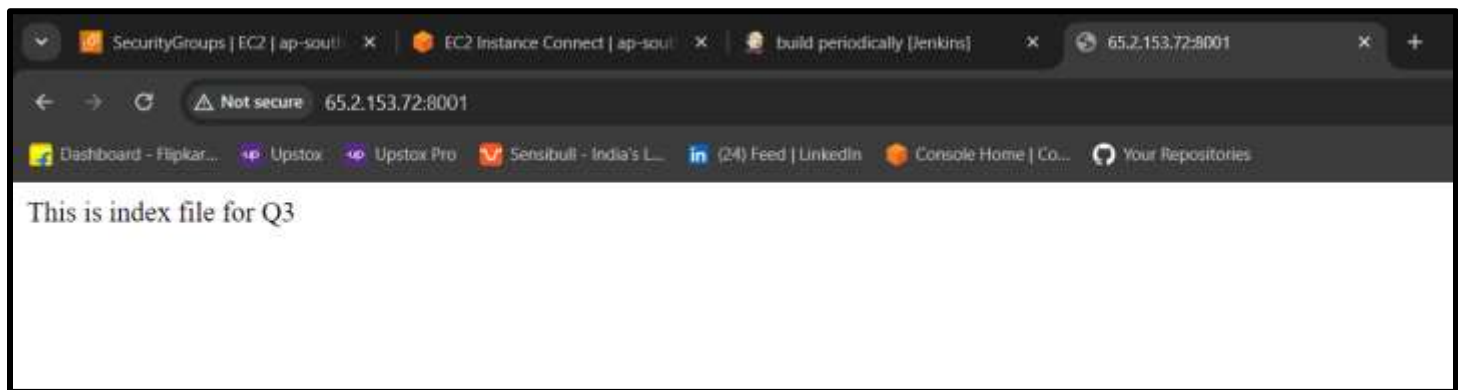
- 2024Q1 running on port 80



- 2024Q2 running on port 90



- 2024Q3 running on port 8001



- 2024Q4 running on port 8090



Before Accessing the website make sure you add ports in securtiy group .

Info						
sgr-047860e0613f78244	HTTP	TCP	80	Custom	Q	0.0.0.0/0 X
sgr-011dc8ee76ec77c8a	Custom TCP	TCP	8090	Custom	Q	0.0.0.0/0 X
sgr-092437fc71a8d666c	Custom TCP	TCP	8001	Custom	Q	0.0.0.0/0 X
sgr-090b8b215614aa509	SSH	TCP	22	Custom	Q	0.0.0.0/0 X
sgr-0e3b7f31419029dfc	Custom TCP	TCP	8080	Custom	Q	0.0.0.0/0 X