Spinning up a Docker container with Tomcat Up and Running, along with mounting the volume.

Creation of Docker Image with all requirements.

Listing Images

```
ubuntu@ip-172-31-11-161:~$ docker restart tomcat-container
tomcat-container
ubuntu@ip-172-31-11-161:~$ docker images
REPOSITORY TAG IMAGE ID CREATED SIZE
tom1 latest f3d85d90b78f 23 minutes ago 519MB
tom latest f3d85d90b78f 23 minutes ago 519MB
tom2 latest 8ac13d9c4097 23 minutes ago 519MB
my_img11 latest 4c8fb33b7fc7 17 hours ago 110MB
my_img10 latest 9ff4cb66bea2 17 hours ago 110MB
my_img9 latest 68fac23620fe 17 hours ago 110MB
```

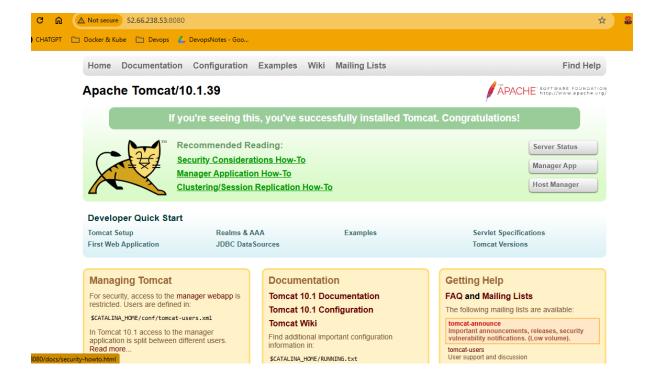
Spinning up Container without using the previous cache Following Command can be used \rightarrow docker build --no-cache -t my-ubuntu-tomcat .

```
ubuntu@ip-172-31-11-161:~$ docker run -d --name tomcat-container -p 8080:8080 \
-v /home/ubuntu/tomcat-data/webapps:/usr/local/tomcat/webapps \
-v /home/ubuntu/tomcat-data/logs:/usr/local/tomcat/logs \
tom2
3e0f251e643f8c480a77a58b8b3b16c5712a844a237d91b57969d1c09b51b421
```

Listing the container

ubuntu@ip-172-31-11-161:-\$ docker ps						
CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
3e0f251e643f	tom2	"/usr/local/tomcat/b"	4 minutes ago	Up 4 minutes	0.0.0.0:8080->8080/tcp, [::]:8080	->8080/tcp tomcat-container

Hitting the Public IP with the Port 8080



Logs of the container running using the command

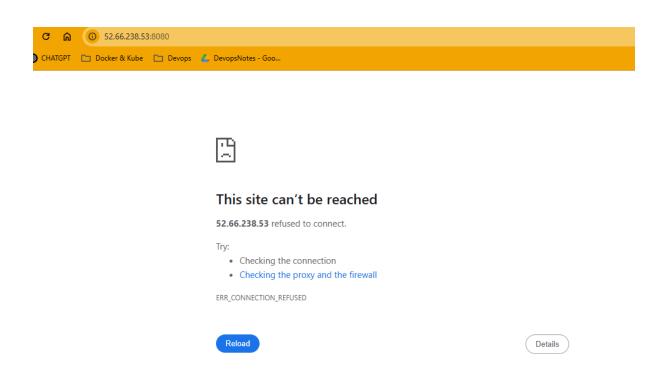
Volume creation Command → docker volume create tomcat_volume Local Mount

```
ubuntu@ip-172-31-11-161:~$ docker exec -it tomcat-container /bin/sh
# ls -l /usr/local/tomcat/webapps/
```

Stopping of Container and listing the same

```
ubuntu@ip-172-31-11-161:~$ docker stop tomcat-container
tomcat-container
ubuntu@ip-172-31-11-161:~$ docker ps
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
ubuntu@ip-172-31-11-161:~$ docker ps -a
container ID IMAGE COMMAND CREATED STATUS STATUS PORTS NAMES
ubuntu@ip-172-31-11-161:~$ docker ps -a
CONTAINER ID IMAGE COMMAND
CREATED STATUS PORTS NAMES
3e0ft251e643f tom2 "/usr/local/tomcat/b..." 18 minutes ago Exited (143) 33 seconds ago tomcat-container
```

Failed to load post stopping the container



Spinning up the container again



Container up and running along with tomcat

