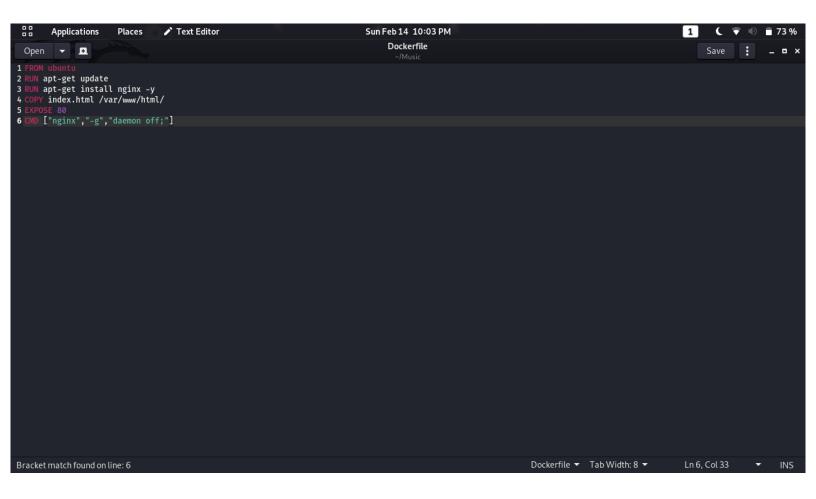
NIPUN SINGAL 500069052 R171218069 DevOps-III

## Application Containerization Lab

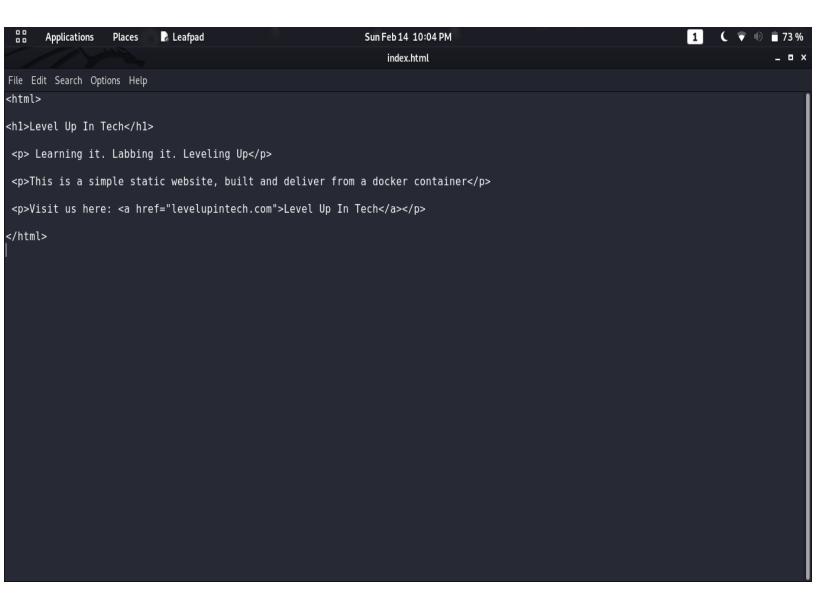
## **EXPERIMENT-5**

Build a docker image and push it to the docker hub

Step1: Create a Dockerfile and write the commands in it also knows as layers of the image and save it.

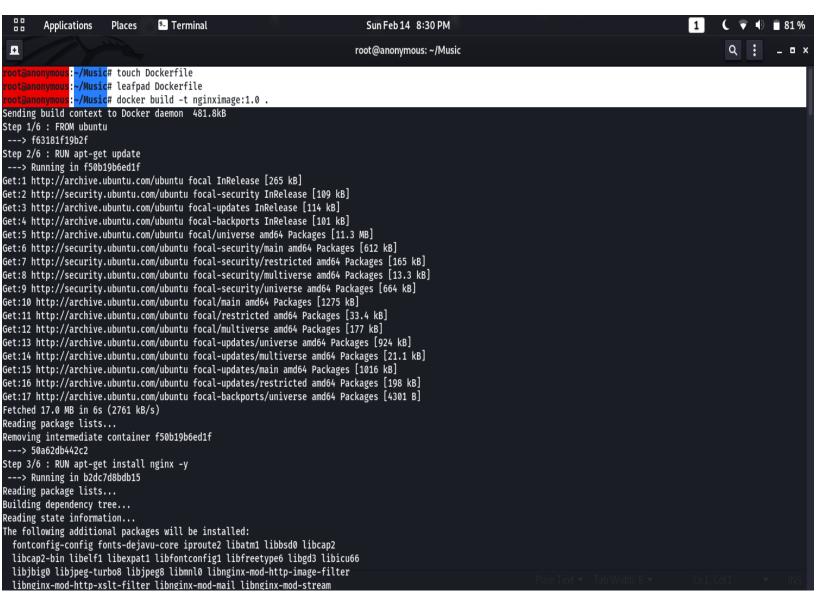


Step2: Now create an index.html file and paste some html content in it. This is the file we will access on the nginx server

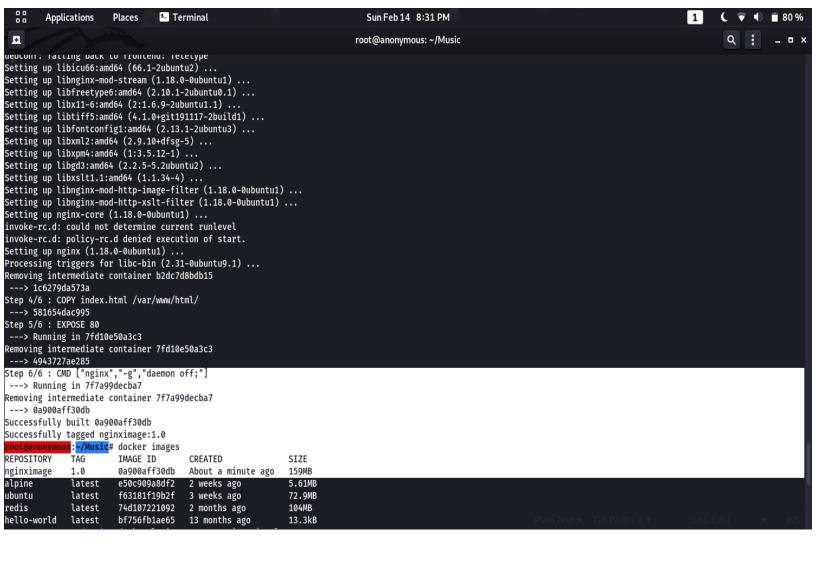


Step3: Now build the container with the commands docker build -t [repository-name]:[tag-name] [path-of-dockerfile]

Note: we can use the dot(.) in "path-of-dockerfile" if the file is in same directory where we are currently working



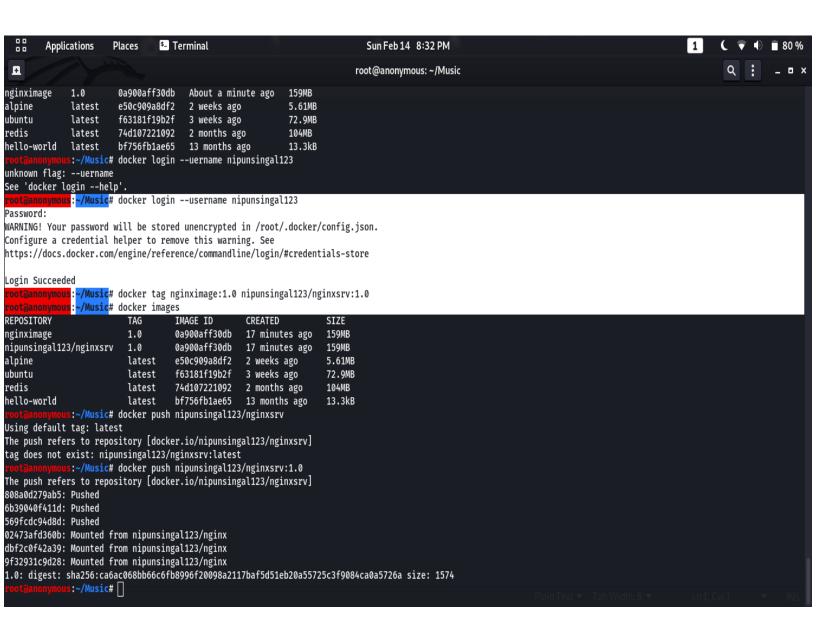
Step4: Type docker images to check your created image



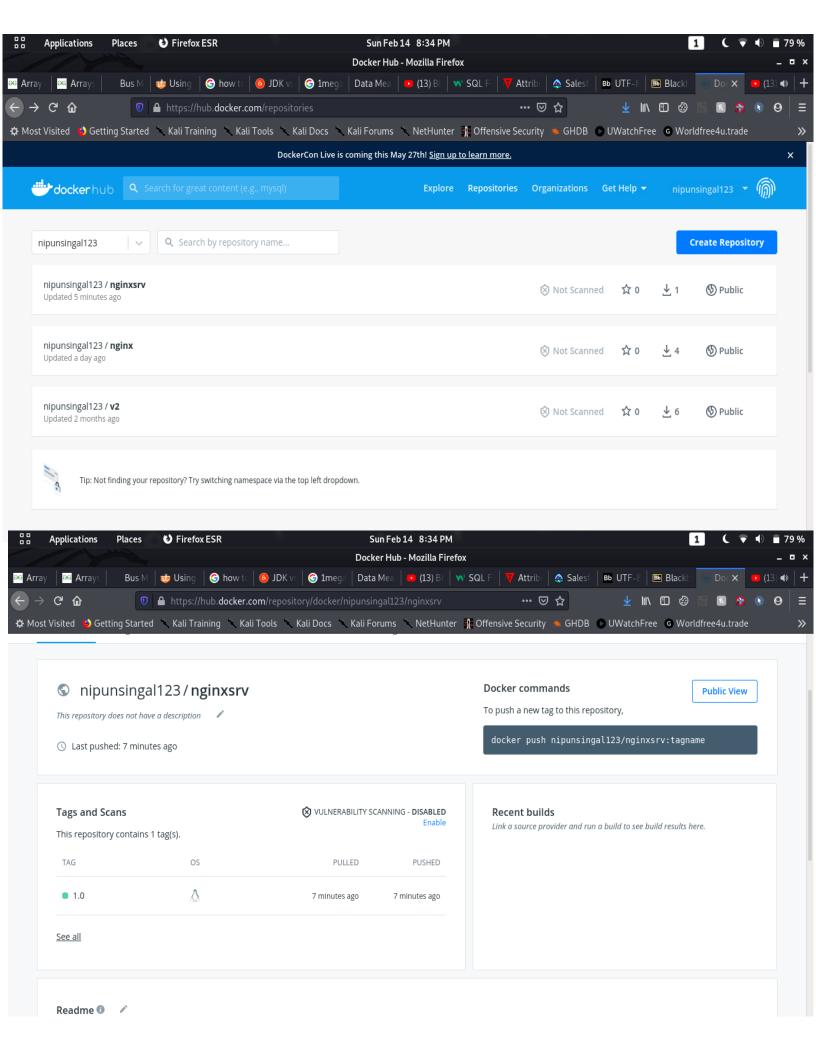
Step5: login to your docker hub account in the terminal using command docker login --username [your-username]

Step6: Now create tag of your image with command

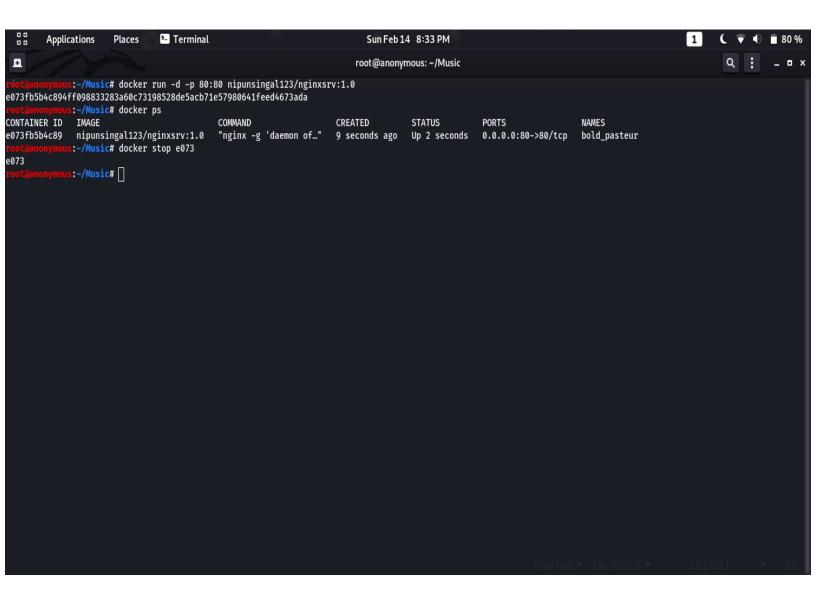
docker tag [current-repo-name]:[current tag-name] [your-username]/[new repo-name]:[new-tag-name]



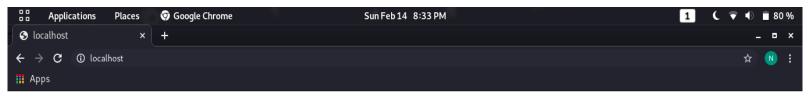
Step7: now push the tagged image to the docker hub using the command docker push [repository-name]:[tag-name]



Step8: Now run your image with mapping the port to it docker run -d -p 80:80 [repository-name]:[tag-name]



Step9: open your web browser and search localhost:80 in the address bar. If everything is done correctly you will see the html file that we created earlier



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