Assignment 4

Jenkins

Q.1. Create a repository on Github. Create your index.html file that will display your name and PRN number. In it. Create a dockerfile. Add following to the file.

FROM httpd

COPY index.html /usr/local/apache2/htdocs/

Save the file.

Now go to the ubuntu machine. Create a directory and clone the above repository.

Use docker build command to build your application image.

docker build -t dai-app1 . # Don’t forget dot at the end.

Now run the container using above image and verify.

docker run --name web3 -p 8000:80 -d dai-app1

Now go to the browser and check by typing <http://localhost:8000>

Q.2. Create a Jenkins pipeline which will pull the code when the index.html is modified. Build the image. Stop the web3 container. Delete web3 container. And start the web3 container with the new image.