**DOCKER**

**Step 1:** **Command to install the docker in ubuntu -** sudo apt-get install docker.io

**Step 2:** **Switch to root account -** sudo su

**Step 3**: **Create a Local directory and enter into it**

* mkdir ourapp
* cd ourapp/

**Step 4**: **Create a file inside the folder -** echo "Hey this is our first dockerimage" > index.html

**Step 5**: **Create a Dockerfile -** touch dockerfile

**Step 6:** **Edit the dockerfile -** vi dockerfile

**write the following command inside the dockerfile**

|  |
| --- |
| FROM nginx COPY index.html /usr/share/nginx/html |

**Step 7:** **Build the image -** docker build -d -t ourapp

**Step 8:** **Run the docker container from the image -** docker run ourapp

**Step 9: Tag the image for pushing it to dockerhub**

* docker tag ourapp(filename):latest username/repositoryname: dockertag(tagname)

**Step 10: Push the image to the dockerhub**

* docker push username/repositoryname:dockertag(tagname)

**Step 11: Delete the container and images using the command.**

* docker rm -f containerid
* docker rmi -f imagename

**Step 12: Pull the image from the dockerhub**

* docker pull username/repositoryname:dockertag(tagname)

**OTHER DOCKER COMMANDS:**

**1.To view the list of containers** - sudo docker ps -a

**2. To view the list of images** - sudo docker images list of images

**3.To go inside specific container** - sudo docker exec -it <container-id> /bin/bash

**4.To check docker logs** - docker logs containerid

**5. Set for auto restart when container stops has context menuComposeParagraph**

- sudo docker update --restart always <container-id>

**6. This command is used to get the current version of the docker** - docker –version

**7. This command is used to stop one or more running containers** - docker stop my\_container

**8. This command is used to start one or more running containers** - docker start my\_container

**9. This command is used to kill one or more running containers** - docker kill my\_container

**10. This command is used to login** - docker login

**11. To check the docker status** - docker info (or) systemctl status docker

**12.To start the docker** - systemctl start docker

**13.To stop the docker** - systemctl stop docker