

DOCKER CERTIFICATE



Aeclaration of Completion

DONA M THOMAS

has successfully completed the online course:

Getting Started with Docker

This professional has demonstrated initiative and a commitment to deepening their skills and advancing their career. Well done!

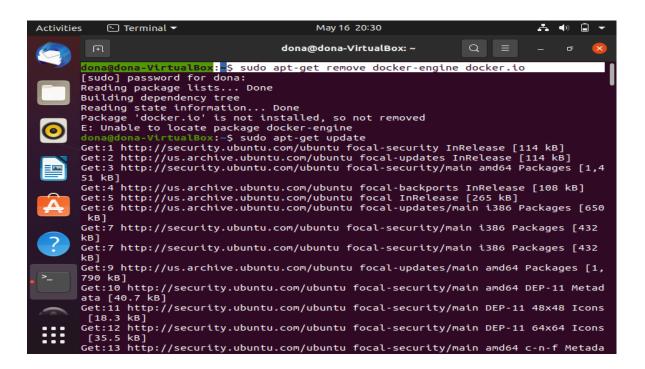
18th Apr 2022

Certificate code: 3396058

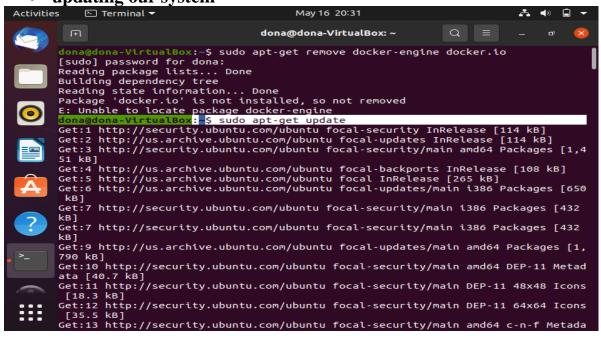
Krishna Kumar

Docker Installation and Container

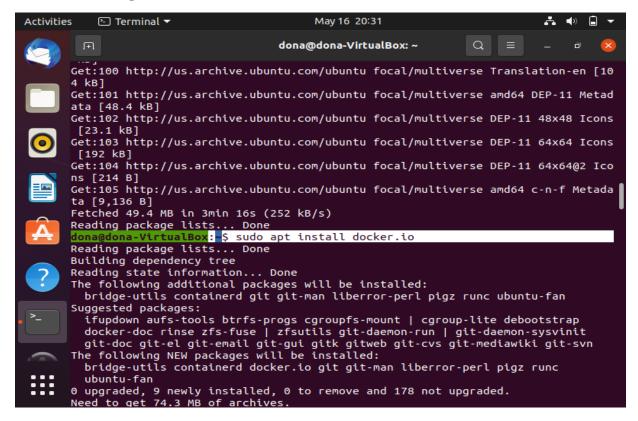
Already you have docker. Use this command if you want to remove.



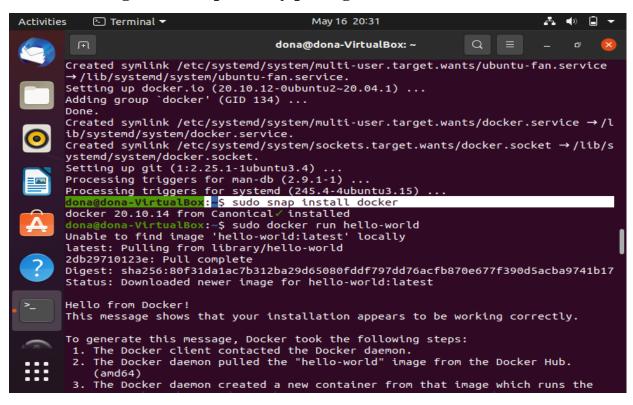
• updating our system



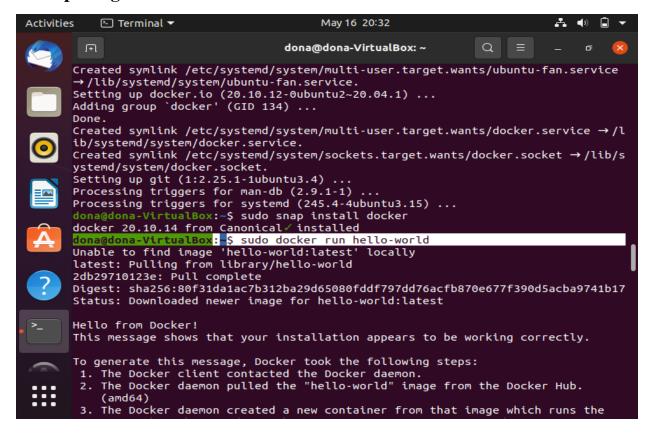
installing docker



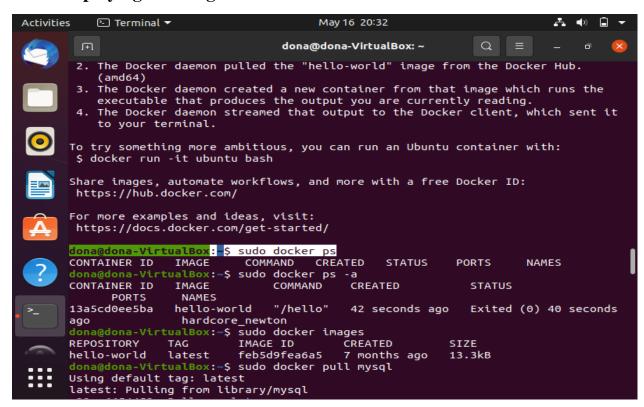
installing docker dependency packages

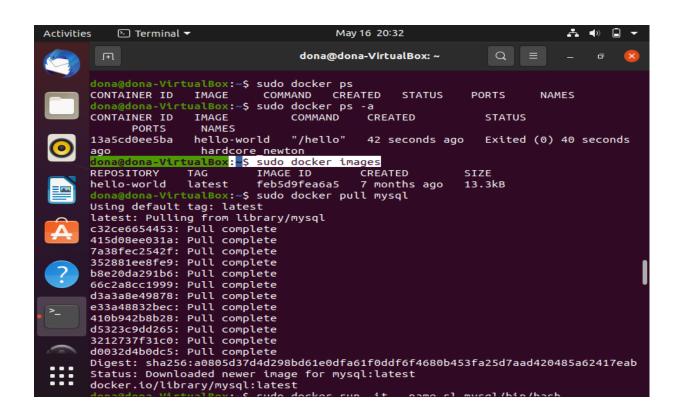


• pulling hello-world from docker hub



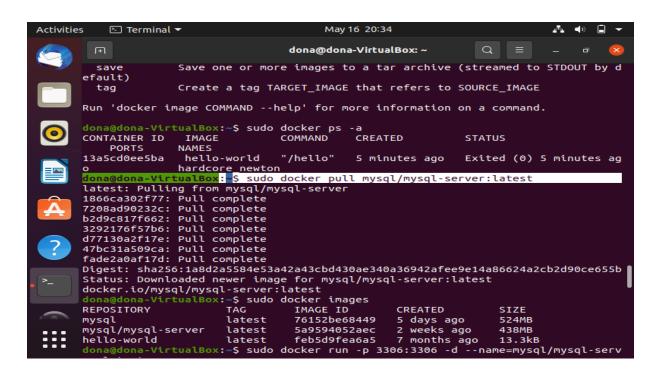
displaying the images

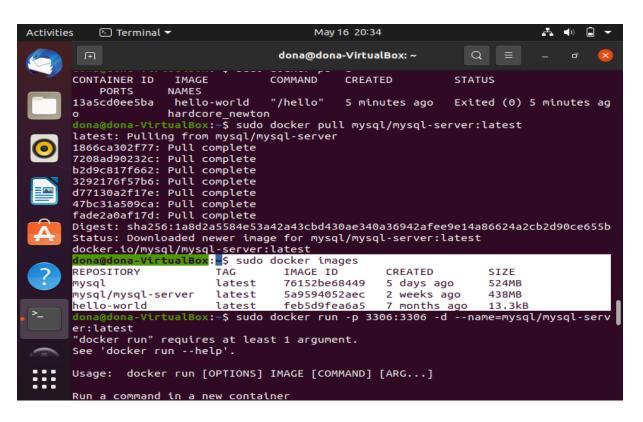




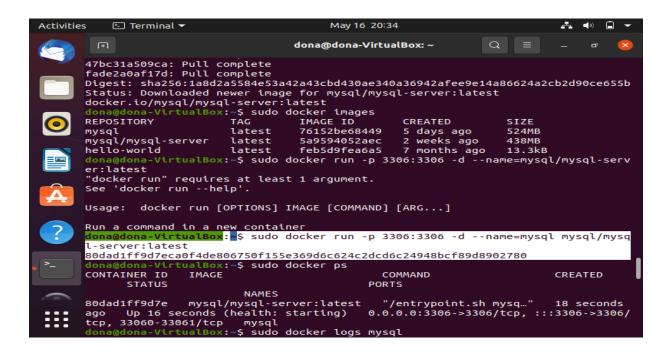
Deployment of MYSQL

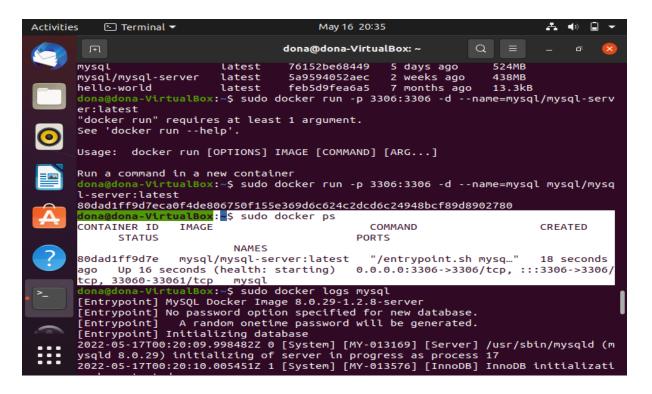
pulling mysql and showing the mysql image

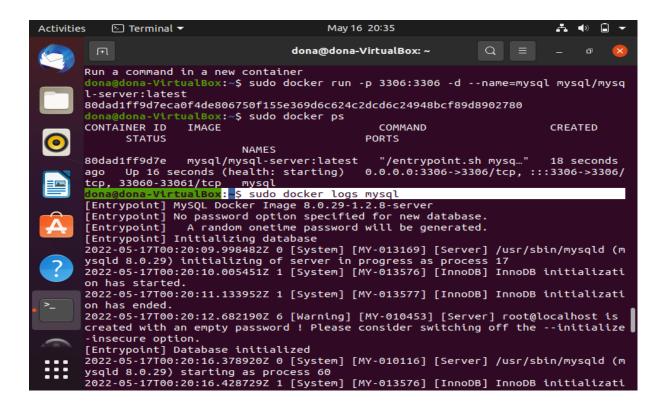




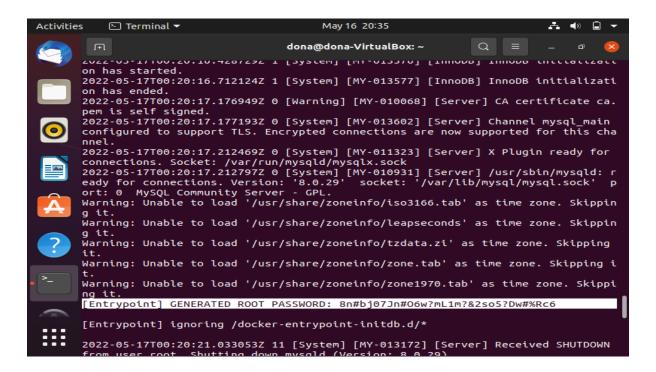
- running the mysql and linking the port address: sudo docker p 3306:3306 -d -name=mysql mysql/mysql-server:latest
- checking whether it is in running state by :sudo docker ps
- then type sudo docker logs mysql



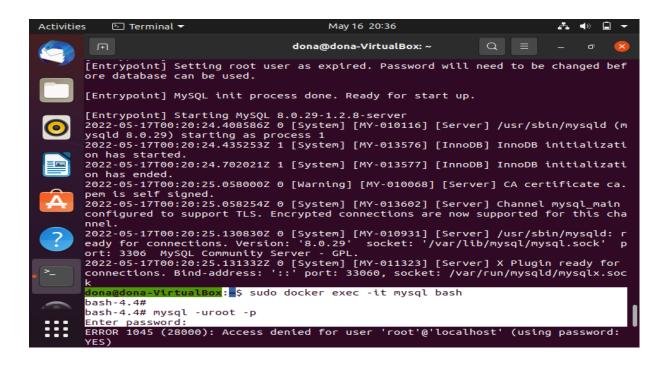




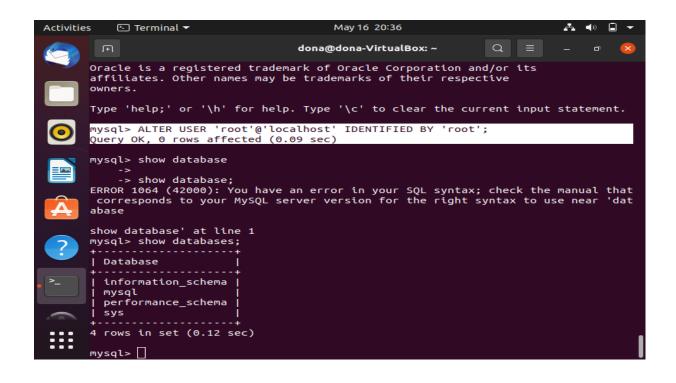
 a password will be generated by that command copy that command and paste it some writer or editor

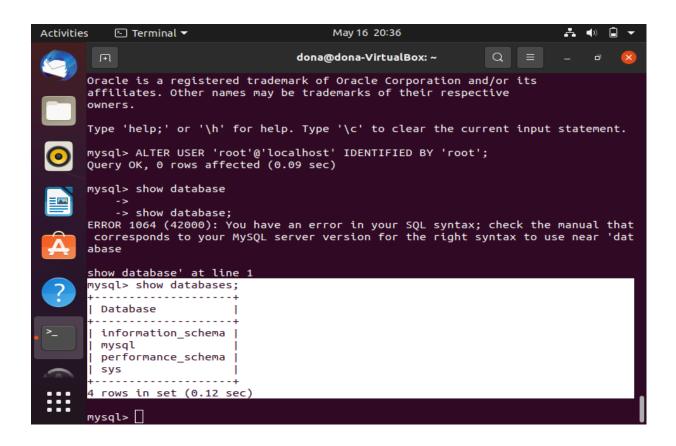


- then execute the mysql by: sudo docker exec -it mysql bash
- Then :mysql -uroot -p



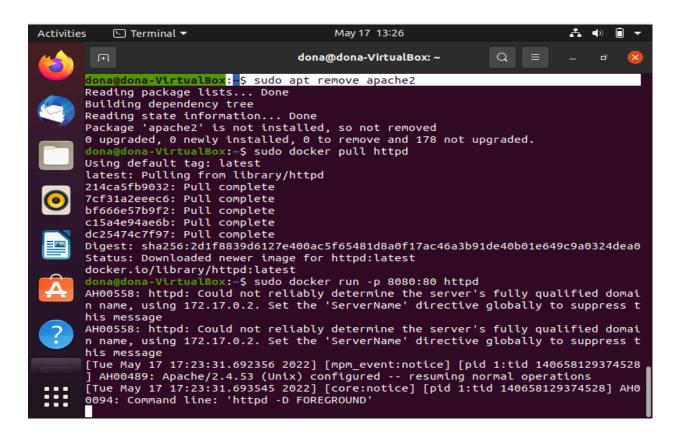
- Then password will ask.Enter the password we have safed
- Then we can change the password by ALTER USER 'root'@'localhost' IDENTIFIED BY 'newpassword';

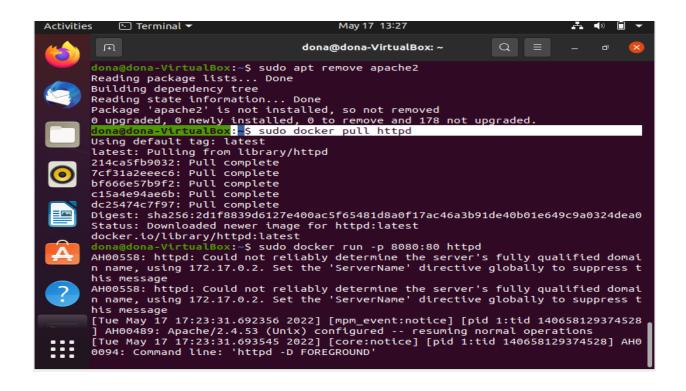


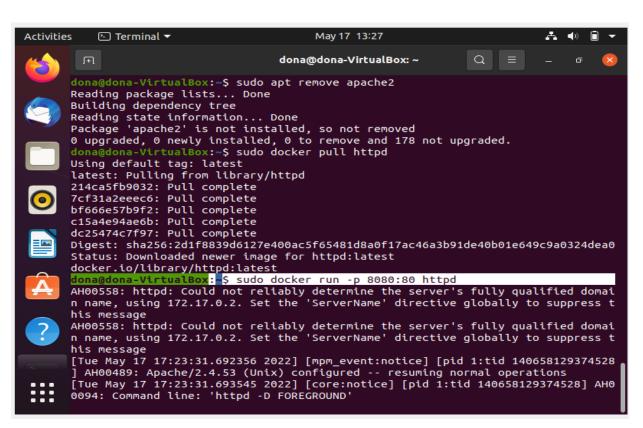


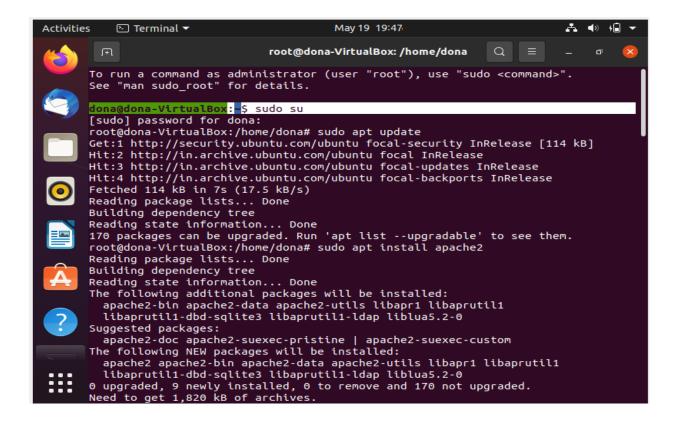
Deployment of Apache

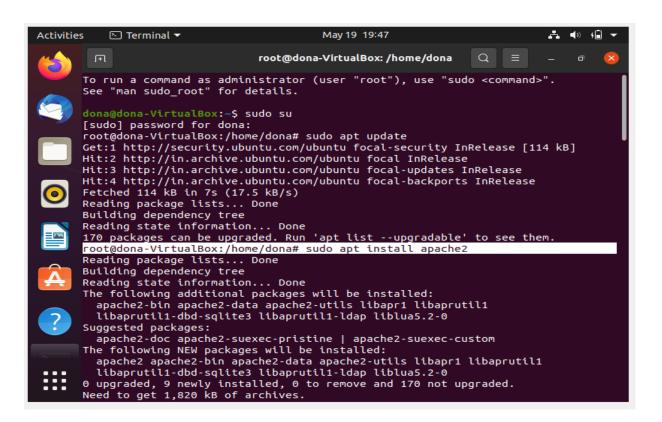
- Step 1: To install the Apache package on Ubuntu
- Step 2: The system prompts for confirmation do so, and allow the system to complete the installation.
- Step 3: To verify Apache was installed correctly, Open a web browser and type in the address bar.

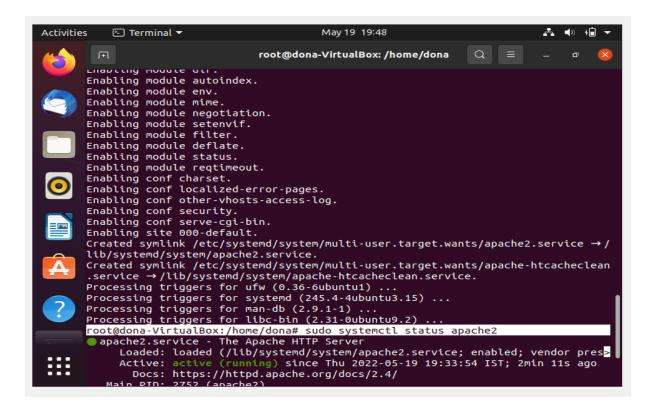


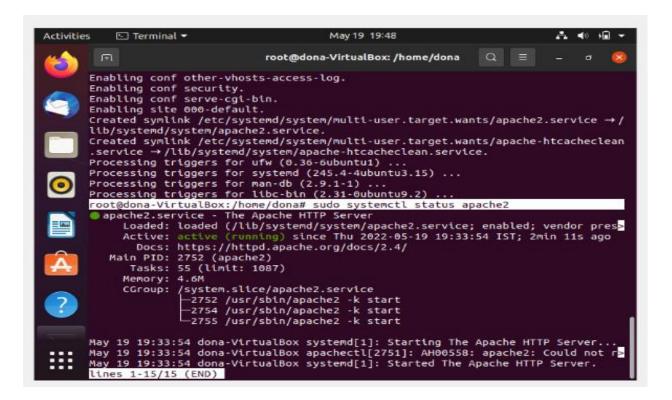














HOSTING A SIMPLE WEBSITE

Requests made to public IP address on port 8098 be redirected to port 80 on the container

named dona. Also, instead of serving content from the container itself, we will serve a

simple web page from /home/dona/website1. Do this by mapping /home/dona/website1/ on

the /usr/local/apache2/htdocs/ on the container.

Directory website is created containing a simple web page named docker.html, and after saving

the html file, point your browser to Server-IP:8098/docker.html (where Server-IP is host's

public IP address). Find the IP address by inspect command using the container id. We can also

simply paste the corresponding IP address on the browser.

