Day - 2.

Configuration of web server on container.

- docker run -it --name webos centos:latest
  ↳ launch container.
- docker inspect webos
  ↳ Details of container. in json format.
  ↳ run this command from base os

- Three steps to configure webserver.
  1. install httpd
  2. configure (put web pages) / Deploy
  3. start the service.

- 1. Yum install httpd -y

  2. put web pages in default directory
     /var/www/html.

  3. In centos, use systemctl command
     to start services.
     systemctl start httpd.
     ↳ if This command fails, use following
     command.
     ↳ /usr/sbin/httpd

  Now open browser and hit url as,
     < i.p of your container > / < name of web
                                    page >.

- To persist the web configuration after reboot of the container start the service again. It is donkey work to start services again and again manually after reboot. Hence add /usr/sbin/httpd command in /root/.bashrc.

  Commands to be added in /root/.bashrc

  rm -f /var/run/httpd/httpd.pid
  /usr/sbin/httpd.

  If this cmd fails then remove entire httpd directory.
  rm -rf /var/run/httpd/*.

- Create own image which has all the web configuration setup ready.
  ↳ docker commit webos webserver:web
  ↳ This command creates new image as webserver and version/tag as web.

- docker save webserver:web -o web.tar
  ↳ save the image in file called web.tar
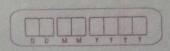 ↳ To share the complete environment share only web.tar file u/a scp, mail or other way do you want

- docker load -i web.tar
  ↳ use this command to get image from file. in machine.

— To push your image on dockerhub, login to your dockerhub account, and use your <name/your image> syntax. use command like,

- docker tag webserver:web 07shree/webser-
  ver:web

  ↳ New image with your name tag. name tag should be same as your docker hub id.

- docker push 07shree/webserver:web.
  ↳ push your image on dockerhub.