Create a ec-2 instanance

Select key pair
Select security open 9090 and 8080
Choose ubuntu

Installing Docker
For Amazon Linux use the following commands
Install Docker In Amazon Linux VM

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sudo yum update -y
sudo yum install docker -y
sudo service docker start
sudo usermod -aG docker ec2-user
exit

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For Ubuntu use the following commands

Install Docker In Ubuntu VM
sudo apt update
curl -fsSL get.docker.com | /bin/bash
sudo usermod -aG docker ubuntu
exit
Verify docker installation

Use this command to check version of docker installed
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docker -v

For practise pull the sample image from docker hub repository of pankaj sir
academy: **docker pull psait/pankajsiracademy:latest**

For Practise pull docker official image: **docker pull hello-world**

Important Docker Commands
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docker pull : download docker image from hub

      docker pull [image-name]

docker run : run docker image - this will create container (Isolated
Enviroment to run docker image- This is not a OSs) docker engine have
already container run will allocate it

      docker run [image-name / image-id]

docker ps :To display docker containers that are running

      docker ps

display stopped containers:

      docker ps -a

docker stop :To Stop docker container

      docker stop [container-id]

docker start : Start docker container

      docker start [container-id]

docker rm : will remove stopped docker container

      docker rm [contianer-id]

docker rmi : Will Remove docker image

docker rmi [image-name / image-id]

To remove all stopped containers and un-used docker images we can use below command

docker system prune -a

How to create Docker Image and run that to access from browser?

Process:

Docker -v

Docker pull hello_world

Docker images

Out put: hello-world

docker run hello-world : out put hello world

docker ps - a : out put : hello-world

docker stop hello-world

docker rmi hello-world removed stoped image

We can configure or install 100 docker in 100 vms at the same tym using ansible