

Question no: 2

### 1.pulling ubuntu latest version

```
root@kubemaster-vm:/home/kubemaster/jithu# docker pull ubuntu:latest
latest: Pulling from library/ubuntu
Digest: sha256:b59d21599a2b151e23eea5f6602f4af4d7d31c4e236d22bf0b62b86d2e386b8f
Status: Image is up to date for ubuntu:latest
docker.io/library/ubuntu:latest
```

### 2.Running that ubuntu image \$checking the containers

```
root@kubemaster-vm:/home/kubemaster/jithu# docker run -dit --name jithu ubuntu
b7613bd6840cc5fe9ec369480634a1848d3a975a62f3ebe7fa97ba0096718e98
root@kubemaster-vm:/home/kubemaster/jithu# docker ps
CONTAINER ID   IMAGE     COMMAND   CREATED   STATUS    PORTS   NAMES
b7613bd6840c   ubuntu   "/bin/bash"   3 seconds ago   Up 2 seconds   b7613bd6840c   jithu
```

### 3.Using this command going inside the container and checking the files using /bin/bash:

```
root@kubemaster-vm:/home/kubemaster/jithu# docker exec -it b7613 /bin/bash
root@b7613bd6840c:/# ls
bin boot dev etc home lib lib64 media mnt opt proc root run/sbin srv sys tmp usr var
root@b7613bd6840c:/#
```

### 4.Other way using /bin/sh

```
root@kubemaster-vm:/home/kubemaster/jithu# docker exec -it b7613 /bin/sh
# ls
bin boot dev etc home lib lib64 media mnt opt proc root run/sbin srv sys tmp usr var
#
```

### 5.stopping the resources and deleting it

```
root@kubemaster-vm:/home/kubemaster/jithu# docker stop b7613
b7613
```

### 6.Removed the container

```
root@kubemaster-vm:/home/kubemaster/jithu# docker rm b7613
b7613
```

### 7 .Removed my image(so cleaned up my resources)

```
root@kubemaster-vm:/home/kubemaster/jithu# docker ps
CONTAINER ID   IMAGE     COMMAND   CREATED   STATUS    PORTS   NAMES
root@kubemaster-vm:/home/kubemaster/jithu# docker rmi ubuntu
Untagged: ubuntu:latest
Untagged: ubuntu@sha256:b59d21599a2b151e23eea5f6602f4af4d7d31c4e236d22bf0b62b86d2e386b8f
Deleted: sha256:bf16bdcff9c96b76a6d417bd8f0a3abe0e55c0ed9b9db3549e906834e2592fd5f
Deleted: sha256:a8346d259389bc6221b4f3c61bad4e48087c5b82308e8f53ce703cfc8333c7b3
```

### 8.Asked to perform some system resources inside the docker container:

Every thing in one frame

```

root@kubemaster-vm:/home/kubemaster/jithu# docker pull ubuntu:latest
latest: Pulling from library/ubuntu
d9d352c11bbd: Pull complete
Digest: sha256:b59d21599a2b151e23eea5f6602f4af4d7d31c4e236d22bf0b62b86d2e386b8f
Status: Downloaded newer image for ubuntu:latest
docker.io/library/ubuntu:latest
root@kubemaster-vm:/home/kubemaster/jithu# docker run -dit --name jithu ubuntu
d736b40755a0ff73e8439c68fcd12122649f1c95c8a949218f7f6190b72b3aea
root@kubemaster-vm:/home/kubemaster/jithu# docker exec -it b7613 /bin/bash
Error response from daemon: No such container: b7613
root@kubemaster-vm:/home/kubemaster/jithu# docker ps
CONTAINER ID   IMAGE     COMMAND                  CREATED        STATUS        PORTS   NAMES
d736b40755a0   ubuntu   "/bin/bash"             21 seconds ago Up 15 seconds        jithu
root@kubemaster-vm:/home/kubemaster/jithu# docker exec -it d73 /bin/bash
root@d736b40755a0:/# ls
bin boot dev etc home lib lib64 media mnt opt proc root run sbin srv sys tmp usr var
root@d736b40755a0:/# pwd
/
root@d736b40755a0:/# df -h
Filesystem      Size  Used Avail Use% Mounted on
overlay          147G   16G  124G  11% /
tmpfs            64M    0   64M   0% /dev
tmpfs            3.9G    0   3.9G   0% /sys/fs/cgroup
shm             64M    0   64M   0% /dev/shm
/dev/sda5       147G   16G  124G  11% /etc/hosts
tmpfs            3.9G    0   3.9G   0% /proc/asound
tmpfs            3.9G    0   3.9G   0% /proc/acpi
tmpfs            3.9G    0   3.9G   0% /proc/scsi
tmpfs            3.9G    0   3.9G   0% /sys/firmware
tmpfs            3.9G    0   3.9G   0% /sys/devices/virtual/powercap
root@d736b40755a0:/# free -m
              total        used          free      shared  buff/cache   available
Mem:           7901          2016          3783           3        2372        5885
Swap:            0           0           0
root@d736b40755a0:/# du -sh /etc
672K    /etc

```

Uptime:

```

root@kubemaster-vm:/home/kubemaster/jithu# docker exec -it d73 /bin/bash
root@d736b40755a0:/# uptime
11:27:05 up 2:51, 0 user, load average: 0.74, 0.97, 1.14

```