# NAME – SHUBHAM SINHA

**COURSE – B.TECH CS CCV** 

**SECTION – 0-20** 

UNIVERSITY ROLL – 201510020

## **DOCKER COMMANDS ASSIGNMENT**

#### Docker basic commands

- docker -v
- docker --version
- docker info
- docker --help
- docker run --help
- docker login

## • Docker images command

docker pull <image name> (to pull down the image of ubuntu os from docker hub)

docker images -q (to know image ids)

docker rmi <image id> (to remove one single image)

docker image Is (to list out the images)

docker rmi <image id1><image id2><image id3>......<image idn> (to remove multiple images in one go)

docker rmi -f \$(docker images -a -q) (to forecefully remove all images)

#### Docker container commands

docker run ubuntu

docker container Is -a (to list out the containers available in the terminal)

docker ps -a (to check the running container)

docker container run -it ubuntu /bin/bash (to redirect in a particular os image)

docker container rm <id1><id2><id3>.......<idn> (to remove multiple container in one go)

### **OUTPUTS**

```
[node1] (local) root@192.168.0.8 ~
$ docker -v
Docker version 20.10.17, build 100c701
[node1] (local) root@192.168.0.8 ~
$ docker --version
Docker version 20.10.17, build 100c701
```

```
1] (local) root@192.168.0.8 ~
$ docker info
Client:
Context:
            default.
Debug Mode: false
Plugins:
 buildx: Docker Buildx (Docker Inc., v0.8.2)
 compose: Docker Compose (Docker Inc., v2.6.1)
Server:
Containers: 0
 Running: 0
 Paused: 0
 Stopped: 0
Images: 0
Server Version: 20.10.17
Storage Driver: overlay2
 Backing Filesystem: xfs
 Supports d_type: true
 Native Overlay Diff: true
```

```
(nodel) (local) root@192.168.0.8 ~
$ docker login
Login with your Docker ID to push and pull images from Docker Hub. If you don't have a Docker ID, head over to https://hub.docker.com to create one.
Username: sneha2004
Password:
WARRINNE! Your password will be stored unencrypted in /root/.docker/config.json.
Configure a credential helper to remove this warning. See
https://docs.docker.com/engine/reference/commandline/login/#credentials-store
Login Succeeded
```

```
(local) root@192.168.0.8 ~
  docker pull ubuntu
Using default tag: latest
latest: Pulling from library/ubuntu
2b55860d4c66: Pull complete
Digest: sha256:20fa2d7bb4de7723f542be5923b06c4d704370f0390e4ae9e1c833c8785644c1
Status: Downloaded newer image for ubuntu:latest
docker.io/library/ubuntu:latest
      1] (local) root@192.168.0.8 ~
 docker images -q
f9baf941f8e
d34d21a9eb5b
5c284e5e8296
2dc39ba059dc
e77d84df442
ff3b5098b416
dc7b40a0b05d
2b7d6430f78d
      [] (local) root@192.168.0.8
$ docker image ls
REPOSITORY
              TAG
                         IMAGE ID
                                         CREATED
                                                        SIZE
python
              latest
                        4f9baf941f8e
                                         3 days ago
                                                        921MB
                                        9 days ago
nariadb
              latest
                        5c284e5e8296
                                                        384MB
ubuntu
              latest
                        2dc39ba059dc
                                         9 days ago
                                                        77.8MB
              latest
                         5e77d84df442
                                         10 days ago
                                                        609MB
vordpress
nysql
              latest
                         ff3b5098b416
                                         11 days ago
                                                        447MB
              latest
                        dc7b40a0b05d
                                         2 weeks ago
                                                        117MB
redis
                        2b7d6430f78d
nginx
              latest
                                         2 weeks ago
                                                        142MB
 docker rmi 4f9ba 5c284 2dc39
Intagged: python:latest
Untagged: python@sha256:5bbf8cld6f7c0946e405587c502f316239916caba98b2dd55a31f0fd465103dc
eleted: sha256:4f9baf941f8e5b400c7905b316693ddfa423bfce3fc4ff1d1edb99887c5c86c3
eleted: sha256:12952835d73d5dbb5347ddfcf2fdd6b650e87d8f54dd139214c50e30885c7bbd
eleted: sha256:6931c7aa22f19d2fd36fed39f9ec175f4d77414c7844d5f6fdf6a51ec2a2a38a
Deleted: sha256:cb03df572f95d67e7dd977e77b693c8263aa57f51518b8414201c9d1a00abddd
eleted: sha256:f341a4ac8ccdf6d5f0f83778baa4373018e33d6ff82b86b811d8f32c6a7e5b38
eleted: sha256:a08dcc55dea16cd2435c2e80f85f27cdef97a5e9d5f11edca153170b7db02ed5
peleted: sha256:0f91703ff2b5c418746fa0fb2a3ce430ea9304729bb507efcd6364165a5e68f6
 eleted: sha256:2954372db39d72097fa965c95e39b50eed5bd857eb2a2152d645412262c48dc3
eleted: sha256:1abc43470acd52071fc033fa69c36b76adf643e5f06f294b7f64b2d530d59037
eleted: sha256:655ed1b7a4286ce965b8942644f665a3aeafac315f023b3d75fabdbd4be12dd0
Intagged: mariadb@sha256:ca04948aca834499f728692520eff82917de1d768b47751ba4dd0fc5f261c8e7
eleted: sha256:5c284e5e829612878511aa9fc0c383708c5a68f2167fa77a515bc2e4b2a35bf2
eleted: sha256:e3d74986c5d4a6d9491033bfc0efa2e06ec377c18e677b37e6a9fa65fc71c485
Deleted: sha256:d4a8796c60f57eeb9265ddfcf9e1e0dd5c8e3f7585a271dcebfe87f50c05634d
Deleted: sha256:041e630d4e358a0e3a227700c01bb4ca8aafe7eacd6fcbbebf41ff9dcf80319e
      1] (local) root@192.168.0.8 ~
 docker run ubuntu
Jnable to find image 'ubuntu:latest' locally
latest: Pulling from library/ubuntu
2b55860d4c66: Pull complete
Digest: sha256:20fa2d7bb4de7723f542be5923b06c4d704370f0390e<u>4ae9e1c833c8785644c1</u>
Status: Downloaded newer image for ubuntu:latest
        (local) root@192.168.0.8
 docker container ls -a
ONTATNER ID
              TMAGE
                         COMMAND
                                   CREATED
                                                    STITATUS
                                                                                 PORTS
                                                                                           NAMES
                                                    Exited (0) 36 seconds ago
                                                                                            tender_haslett
a5d957b1f6e
              ubuntu
                         "bash"
                                   38 seconds ago
 docker ps -a
               IMAGE
                        COMMAND
                                                                                       PORTS
 ONTAINER ID
                                  CREATED
                                                                                                 NAMES
 a5d957b1f6e
                         "bash"
                                  About a minute ago
                                                       Exited (0) About a minute ago
                                                                                                 tender haslett
      el] (local) root@192.168.0.8 ~
  docker container run -it ubuntu /bin/bash
 oot@19325b5e9ad2:/#
```

```
[node1] (local) root@192.168.0.8 ~
$ docker container rm 19325 ca5d9
19325
ca5d9
[node1] (local) root@192.168.0.8 ~
$ docker ps -a
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
[node1] (local) root@192.168.0.8 ~
```