

In my previous blogs, I have covered **What is Docker**, and how you can use it. Today, in this blog, I will talk about the Top 15 Docker Commands that you will be using frequently while you are working with Docker.

Following are the commands which are being covered:

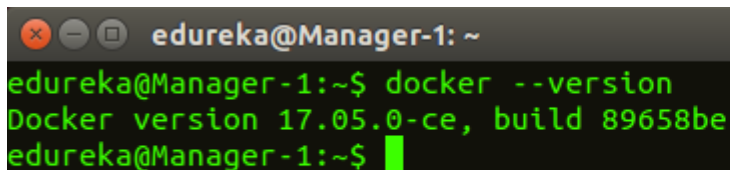
- **docker --version**
- **docker pull**
- **docker run**
- **docker ps**
- **docker ps -a**
- **docker exec**
- **docker stop**
- **docker kill**
- **docker commit**
- **docker login**
- **docker push**
- **docker images**
- **docker rm**
- **docker rmi**
- **docker build**

So, let's get started:

Docker Commands

1. **docker --version**

This command is used to get the currently installed version of docker



```
edureka@Manager-1: ~  
edureka@Manager-1:~$ docker --version  
Docker version 17.05.0-ce, build 89658be  
edureka@Manager-1:~$
```

2. **docker pull**

Usage: docker pull <image name>

This command is used to pull images from the **docker repository**(hub.docker.com)

```
edureka@Manager-1: ~  
edureka@Manager-1:~$ docker pull ubuntu  
Using default tag: latest  
latest: Pulling from library/ubuntu  
ae79f2514705: Pull complete  
c59d01a7e4ca: Pull complete  
41ba73a9054d: Pull complete  
f1bbfd495cc1: Pull complete  
0c346f7223e2: Pull complete  
Digest: sha256:6eb24585b1b2e7402600450d289ea0fd195cfb76893032bbbb3943e041ec8a65  
Status: Downloaded newer image for ubuntu:latest  
edureka@Manager-1:~$
```

3. docker run

Usage: docker run -it -d <image name>

This command is used to create a container from an image

```
edureka@Manager-1: ~  
edureka@Manager-1:~$ docker run -it -d ubuntu  
f49b58b66d1ebc7c2d9e42280c1e24019b3202fb3e69050c45e806e6f9b65f71  
edureka@Manager-1:~$
```

4. docker ps

This command is used to list the running containers

```
edureka@Manager-1: ~  
edureka@Manager-1:~$ docker ps  
CONTAINER ID   IMAGE      COMMAND                  CREATED         STATUS  
f49b58b66d1e   ubuntu    "/bin/bash"             6 minutes ago  Up 6 mi  
nutes  
angry_knuth
```

5. docker ps -a

This command is used to show all the running and exited containers

```
edureka@Manager-1: ~  
edureka@Manager-1:~$ docker ps -a  
CONTAINER ID        IMAGE               COMMAND             CREATED             STATUS              PORTS  
fe6e370a1c9c        ubuntu             "/bin/bash"        12 seconds ago     Up 11 seconds      boring_ritchie  
2b86a0703d4f        ubuntu             "/bin/bash"        About a minute ago Exited (0) 21 seconds ago infallible_galileo  
edureka@Manager-1:~$
```

6. docker exec

Usage: `docker exec -it <container id> bash`

This command is used to access the running container

```
root@fe6e370a1c9c: /  
edureka@Manager-1:~$ docker exec -it fe6e370a1c9c bash  
root@fe6e370a1c9c:/#
```

7. docker stop

Usage: `docker stop <container id>`

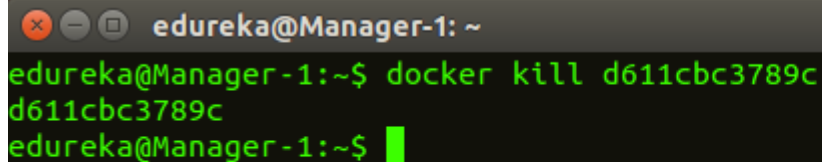
This command stops a running container

```
edureka@Manager-1: ~  
edureka@Manager-1:~$ docker stop fe6e370a1c9c  
fe6e370a1c9c  
edureka@Manager-1:~$
```

8. docker kill

Usage: `docker kill <container id>`

This command kills the container by stopping its execution immediately. The difference between 'docker kill' and 'docker stop' is that 'docker stop' gives the container time to shutdown gracefully, in situations when it is taking too much time for getting the container to stop, one can opt to kill it

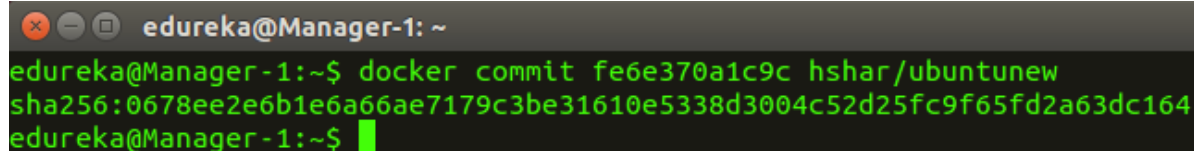


```
edureka@Manager-1: ~  
edureka@Manager-1:~$ docker kill d611cbc3789c  
d611cbc3789c  
edureka@Manager-1:~$
```

9. docker commit

Usage: `docker commit <container id> <username/imagename>`

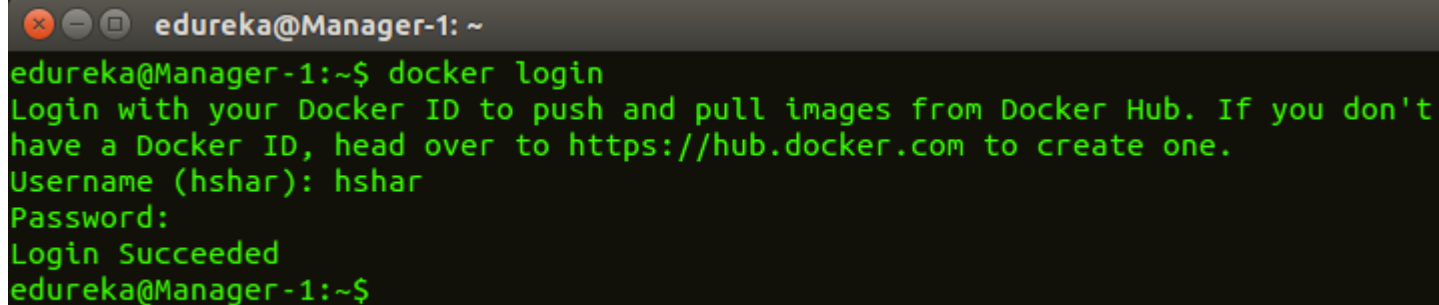
This command creates a new image of an edited container on the local system



```
edureka@Manager-1: ~  
edureka@Manager-1:~$ docker commit fe6e370a1c9c hshar/ubuntu  
sha256:0678ee2e6b1e6a66ae7179c3be31610e5338d3004c52d25fc9f65fd2a63dc164  
edureka@Manager-1:~$
```

10. docker login

This command is used to login to the docker hub repository



```
edureka@Manager-1: ~  
edureka@Manager-1:~$ 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 (hshar): hshar  
Password:  
Login Succeeded  
edureka@Manager-1:~$
```

11. docker push

Usage: `docker push <username/image name>`

This command is used to push an image to the docker hub repository