

## Most Common Docker Commands with Examples

Finding the version

```
C:\Users\Barış>docker --version
```

```
Docker version 27.0.3,
```

Downloading image

```
C:\Users\Barış>docker pull alpine:latest
latest: Pulling from library/alpine
Digest: sha256:0a4eaa0eecf5f8c050e5bba433f58c052be7587ee8af3e8b3910ef9ab5fbe9f5
Status: Image is up to date for alpine:latest
docker.io/library/alpine:latest
```

Inspect the image

```
C:\Users\Barış>docker inspect alpine
[
  {
    "Id": "sha256:324bc02ae1231fd9255658c128086395d3fa0aedd5a41ab6b034fd649d1a9260",
    "RepoTags": [
      "alpine:latest"
    ],
    "RepoDigests": [
      "alpine@sha256:0a4eaa0eecf5f8c050e5bba433f58c052be7587ee8af3e8b3910ef9ab5fbe9f5"
    ],
    "Parent": "",
    "Comment": "",
    "Created": "2024-07-22T22:26:43.778747613Z",
    "DockerVersion": "23.0.11",
```

Images

```
C:\Users\Barış>docker images
REPOSITORY          TAG                 IMAGE ID            CREATED             SIZE
dockerize_me-app    latest             4ba84f035cd1       9 hours ago        471MB
mysql               latest             7ce93a845a8a       2 days ago         586MB
alpine              latest             324bc02ae123       2 days ago         7.8MB
nginx               latest             a72860cb95fd       4 weeks ago        188MB
```

Run

```
C:\Users\Barış>docker run 324bc02ae123
```

ps -a

What's running? List all the docker containers running/exited/stopped with container details.

```
C:\Users\Barış>docker ps
CONTAINER ID   IMAGE     COMMAND                  CREATED    STATUS    PORTS    NAMES
C:\Users\Barış>docker ps -a
CONTAINER ID   IMAGE     COMMAND                  CREATED    STATUS    PORTS    NAMES
4d6387c24329   dockerize_me-app    "docker-php-entrypoi..." 12 hours ago    Exited (0) 5 minutes ago    dockerize_me-app-1
9611e2d89026   mysql:latest        "docker-entrypoint.s..." 12 hours ago    Exited (0) 5 minutes ago    dockerize_me-db-1
83167a57aa98   nginx        "/docker-entrypoint..." 18 hours ago    Exited (0) 17 hours ago    Yavuzlar
```

## Removing container

```
C:\Users\Barış>docker rm 4d6387c24329
4d6387c24329
```

## Searching image

NAME	DESCRIPTION	STARS	OFFICIAL
alpine	A minimal Docker image based on Alpine Linux...	10941	[OK]
alpinelinux/docker-cli	Simple and lightweight Alpine Linux image wi...	11	
alpinelinux/alpine-gitlab-ci	Build Alpine Linux packages with Gitlab CI	3	
alpinelinux/gitlab-runner-helper	Helper image container gitlab-runner-helper ...	7	
alpinelinux/rsyncd		2	
alpinelinux/unbound		13	
alpinelinux/alpine-drone-ci	Build Alpine Linux packages with drone CI	0	

`docker run --rm --name <options> <image> <command>`: Docker konteynerini çalıştırdıktan sonra konteyner sonlandı ve otomatik olarak silinmesi için sağlar ve bizim istediği ismi ismlerle beraber çalıştırır.

```
C:\Users\Barış>docker run --rm --name yYavuzlar alpine echo Selamlar!
Selamlar!
```

`docker run -p 80:80 alpine` : Alpine konteynerini çalıştırılır ve host makinasının 80 portunu konteynerin 80 portuna yönlendirir.

`docker volume ls` :Mevcut Docker Volume'lerini listeler

Stopping Docker : `docker stop 09ca6feb6efc`

Starting Docker: `docker start 09ca6feb6efc`

Kill : `docker kill 09ca6feb6efc`

## Docker network

```
C:\Users\Barış>docker network
```

Usage: `docker network COMMAND`

### Manage networks

#### Commands:

<code>connect</code>	Connect a container to a network
<code>create</code>	Create a network
<code>disconnect</code>	Disconnect a container from a network
<code>inspect</code>	Display detailed information on one or more networks
<code>ls</code>	List networks
<code>prune</code>	Remove all unused networks
<code>rm</code>	Remove one or more networks

Docker info (Get detailed information about docker installed on the system including the kernel version, number of containers and images, etc. : `docker info`)