C:\Users\durum>docker run --name mert2 alpine sleep 2

C:\Users\durum>docker images
REPOSITORY   TAG   IMAGE ID   CREATED   SIZE
alpine   latest   324bc02ae123   2 days ago   7.8MB

C:\Users\durum>docker images status
REPOSITORY   TAG   IMAGE ID   CREATED   SIZE

C:\Users\durum>docker run docker search alpine
Unable to find image 'docker:latest' locally
docker: Post "http://%2F%2F.%2Fpipe%2FdockerDesktopLinuxEngine/v1.46/images/create?fromImage=docker&tag=latest": context canceled.
See 'docker run --help'.

C:\Users\durum>docker search alpine
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/unbound   13
alpinelinux/rsyncd   2
alpinelinux/alpine-drone-ci   Build Alpine Linux packages with drone CI   0
alpinelinux/docker-alpine   0
alpinelinux/ansible   Ansible in docker   21
alpinelinux/gitlab-runner   Alpine Linux gitlab-runner (supports more ar…   7
grafana/alpine   Alpine Linux with ca-certificates package in…   7
alpinelinux/docker-compose   docker-compose image based on Alpine Linux   2
alpinelinux/apkbuild-lint-tools   Tools for linting APKBUILD files in a CI env…   0
bellsoft/liberica-openjdk-alpine   Liberica is a 100% open-source Java implemen…   58
alpinelinux/darkhttpd   2
alpinelinux/golang   Build container for golang based on Alpine L…   3
alpinelinux/alpine-docker-gitlab   Gitlab running on Alpine Linux   0
alpinelinux/build-base   Base image suitable for building packages wi…   0
alpinelinux/alpine-www   The Alpine Linux public website (www.alpinel…   0
bellsoft/liberica-openjre-alpine   Liberica is a 100% open-source Java implemen…   22
alpinelinux/docker-abuild   Dockerised abuild   0
bellsoft/liberica-openjdk-alpine-musl Liberica is a 100% open-source Java implemen…   24
balenalib/amd64-alpine-node   This image is part of the balena.io base ima…   2
alpinelinux/mqtt-exec   0
alpinelinux/netbox   dockerized netbox   0

C:\Users\durum>docker network create mert
edd472c596686c575e8daa2e2a47451acbfa96f3546e8f572ef44f8624d6bb28

C:\Users\durum>docker ps
CONTAINER ID   IMAGE   COMMAND   CREATED   STATUS   PORTS   NAMES

C:\Users\durum>docker image inspect alpine
[
    {

C:\Users\durum>docker network create mert
edd472c596686c575e8daa2e2a47451acbfa96f3546e8f572ef44f8624d6bb28

C:\Users\durum>docker ps
CONTAINER ID   IMAGE   COMMAND   CREATED   STATUS   PORTS   NAMES

C:\Users\durum>docker image 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",
        "Author": "",
        "Config": {
            "Hostname": "",
            "Domainname": "",
            "User": "",
            "AttachStdin": false,
            "AttachStdout": false,
            "AttachStderr": false,
            "Tty": false,
            "OpenStdin": false,
            "StdinOnce": false,
            "Env": [
                "PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin"
            ],
            "Cmd": [
                "/bin/sh"
            ],
            "Image": "sha256:3e25db883ea289c8b0d3006e7a6a03c56be09c50f03f6b228ba2fe74fd8194d2",
            "Volumes": null,
            "WorkingDir": "",
            "Entrypoint": null,
            "OnBuild": null,
            "Labels": null
        },
        "Architecture": "amd64",
        "Os": "linux",
        "Size": 7797760,
        "GraphDriver": {
            "Data": {
                "MergedDir": "/var/lib/docker/overlay2/a01be9d682f0af64c10879d075f5906753715670e4785a4fa7264b35012cee3c/merged",
                "UpperDir": "/var/lib/docker/overlay2/a01be9d682f0af64c10879d075f5906753715670e4785a4fa7264b35012cee3c/diff",
                "WorkDir": "/var/lib/docker/overlay2/a01be9d682f0af64c10879d075f5906753715670e4785a4fa7264b35012cee3c/work"

C:\Users\durum>docker run alpine echo yavuzlar
yavuzlar

C:\Users\durum>docker --name mert2 alpine sleep 2
unknown flag: --name
See 'docker --help'.

Usage: docker [OPTIONS] COMMAND

A self-sufficient runtime for containers

Common Commands:
  run   Create and run a new container from an image
  exec   Execute a command in a running container
  ps   List containers
  build   Build an image from a Dockerfile
  pull   Download an image from a registry
  push   Upload an image to a registry
  images   List images
  login   Log in to a registry
  logout   Log out from a registry
  search   Search Docker Hub for images
  version   Show the Docker version information
  info   Display system-wide information

Management Commands:
  builder   Manage builds
  buildx*   Docker Buildx
  compose*   Docker Compose
  container   Manage containers
  context   Manage contexts
  debug*   Get a shell into any image or container
  desktop*   Docker Desktop commands (Alpha)
  dev*   Docker Dev Environments
  extension* Manages Docker extensions
  feedback*   Provide feedback, right in your terminal!
  image   Manage images
  init*   Creates Docker-related starter files for your project
  manifest   Manage Docker image manifests and manifest lists
  network   Manage networks
  plugin   Manage plugins
  sbom*   View the packaged-based Software Bill Of Materials (SBOM) for an image
  scout*   Docker Scout
  system   Manage Docker
  trust   Manage trust on Docker images
  volume   Manage volumes

Swarm Commands:
  swarm   Manage Swarm

Commands:
  attach   Attach local standard input, output, and error streams to a running container

Dockerfile komutlar

```
FROM php:7.4-apache    image oluştururken phpnin 7.4 sürümü ve Apache serverı
kullanılacağını belirtiyor
WORKDIR /var/www/html   Apachenin sadece bu dizine erişimi olduğu için
dosayalr burada duracak.
RUN apt-get update -y   Sistemde sıkıntı çıkmasın diye yine bi updateleme
işlemi
RUN docker-php-ext-install pdo pdo_mysql   veritabanımız pdo olduğu için pdo
indiriyoruz.
RUN echo "Servername localhost">> /etc/apache2/apache2.conf localhostta
çalışmasını sağlar
COPY ./app . app dizinindeki tüm dosyaları /var/www/html dizinine kopyalar.
EXPOSE 80  bu portta erişim sağlanacak.
```

Docker compose

```
version: '3' sürüm.

services:
  app:
    build:
      context: . dizini belirtir
      dockerfile: Dockerfile adı belirtir eğer harf dizimi doğru yazıldıysa bu
satırı yazmaya gerek yoktur.
    depends_on:
    - db   bağımlıdır önce db servisi başlar.
    ports:
    - "80:80"    konteynırla host makinedeki 80 portlarını eşler.

networks:
    - net app servisini net ağına dahil eder.

  db:
    image: mysql:latest    mysql kullanılıyor.
    environment:
    - MYSQL_DATABASE=yavuzlar    db ismi.
    - MYSQL_ROOT_PASSWORD=1       root parolası 1
    volumes:
    - db_data:/var/lib/mysql
    - ./yavuzlar_messages.sql:/docker-entrypoint-initdb.d/yavuzlar_messages.sql
    ports:
    - "8080:3306"
    networks:
    - net


networks:
 net:
  driver: bridge    bağdaştırıcı seçeneği.Default olarak gelir.
```