Temel Docker Komutları

```
C:\Users\tugba>docker --version
Docker version 27.0.3, build 7d4bcd8
```

Docker'ın yüklü olup olmadığını ve sürümünü kontrol eder.

```
C:\Users\tugba>docker pull ubuntu
Using default tag: latest
latest: Pulling from library/ubuntu
9c704ecd0c69: Pull complete
Digest: sha256:2e863c44b718727c860746568e1d54afd13b2fa71b160f5cd9058fc436217b30
Status: Downloaded newer image for ubuntu:latest
docker.io/library/ubuntu:latest

What's next:
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ew ubuntu
```

Docker Hub'dan Ubuntu imajını indirir.

```
C:\Users\tugba>docker images ubuntu
REPOSITORY      TAG       IMAGE ID       CREATED       SIZE
ubuntu          latest    35a88802559d   6 weeks ago   78.1MB
```

Ubuntu imajını çekebilir ve boyutunu kontrol edebilirsiniz.

```
C:\Users\tugba>docker pull hello-world
Using default tag: latest
latest: Pulling from library/hello-world
c1ec31eb5944: Pull complete
Digest: sha256:1408fec50309afee38f3535383f5b09419e6dc0925bc69891e79d84cc4cdcec6
Status: Downloaded newer image for hello-world:latest
docker.io/library/hello-world:latest

What's next:
    View a summary of image vulnerabilities and recommendations → docker scout qui
ckview hello-world
```

Docker Hub'dan "hello-world" imajını indirir.

```
C:\Users\tugba>docker images
REPOSITORY      TAG       IMAGE ID       CREATED         SIZE
alpine          latest    324bc02ae123   2 days ago      7.8MB
nginx           latest    a72860cb95fd   4 weeks ago     188MB
ubuntu          latest    35a88802559d   6 weeks ago     78.1MB
hello-world     latest    d2c94e258dcb   14 months ago   13.3kB
```

İndirilen Docker imajlarını listeler.

```
C:\Users\tugba>docker run hello-world

Hello from Docker!
This message shows that your installation appears to be working correctly.

To generate this message, Docker took the following steps:
 1. The Docker client contacted the Docker daemon.
 2. The Docker daemon pulled the "hello-world" image from the Docker Hub.
    (amd64)
 3. The Docker daemon created a new container from that image which runs the
    executable that produces the output you are currently reading.
 4. The Docker daemon streamed that output to the Docker client, which sent it
    to your terminal.

To try something more ambitious, you can run an Ubuntu container with:
 $ docker run -it ubuntu bash

Share images, automate workflows, and more with a free Docker ID:
 https://hub.docker.com/

For more examples and ideas, visit:
 https://docs.docker.com/get-started/
```

İndirilen "hello-world" imajını çalıştırır ve Docker'ın doğru şekilde kurulduğunu doğrulamak için "Hello from Docker!" mesajını görüntüler.

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

Şu anda çalışan Docker konteynerlerini listeler.

```
C:\Users\tugba>docker run -it ubuntu /bin/bash
root@0cebdf93cf4e:/#
```

İndirilen Ubuntu imajından bir konteyner çalıştırır ve interaktif bir terminal sağlar.

```
C:\Users\tugba>docker ps -a
CONTAINER ID    IMAGE           COMMAND         CREATED         STATUS
                PORTS           NAMES
0cebdf93cf4e    ubuntu          "/bin/bash"     5 minutes ago   Up 5 minute
s                               stoic_shamir
05b7f476328f    hello-world     "/hello"        10 minutes ago  Exited (0)
10 minutes ago                  gallant_payne
19afa6bfb7e3    alpine          "/bin/sh"       10 hours ago    Exited (0)
10 hours ago                    pensive_moser
e8b8191c67ed    alpine          "echo Selamlar!"  10 hours ago  Exited (0)
10 hours ago                    jovial_borg
```

Docker ile çalışan veya daha önce çalışmış tüm kapsayıcıların bir listesini gösterir.

```
C:\Users\tugba>docker stop 05b7f476328f
05b7f476328f
```

Docker komutu docker stop 05b7f476328f, belirtilen kapsayıcıyı (ID'si 05b7f476328f olan) durdurur ve durdurulan kapsayıcı ID'sini geri döner.

```
C:\Users\tugba>docker rm 05b7f476328f
05b7f476328f
```

docker rm 05b7f476328f, belirtilen kapsayıcıyı (ID'si 05b7f476328f olan) siler ve silinen kapsayıcı ID'sini geri döner.

```
C:\Users\tugba>docker network create my-network
7f514e0a97a9eb27cced5c75b53ad76875fa6a8c19387091b053f2e61889a7b5
```

Yeni bir Docker ağı oluşturur.

```
C:\Users\tugba>docker run -d --name mysql-db --network my-network -e MYSQL_ROOT_PASSWORD=rootpassword -e MYSQL_DATABASE=
mydatabase mysql:5.7
Unable to find image 'mysql:5.7' locally
5.7: Pulling from library/mysql
20e4dcae4c69: Pull complete
1c56c3d4ce74: Pull complete
e9f03a1c24ce: Pull complete
68c3898c2015: Pull complete
6b95a940e7b6: Pull complete
90986bb8de6e: Pull complete
ae71319cb779: Pull complete
ffc89e9dfd88: Pull complete
43d05e938198: Pull complete
064b2d298fba: Pull complete
df9a4d85569b: Pull complete
Digest: sha256:4bc6bc963e6d8443453676cae56536f4b8156d78bae03c0145cbe47c2aad73bb
Status: Downloaded newer image for mysql:5.7
5925a47c456ce6e2a0eb15c71709b0b58f6531be1fcfd1bf764d5c974709d699
```

Bu komut, mysql:5.7 imajını indirip mysql-db adında, my-network ağına bağlı, root şifresi rootpassword ve mydatabase veritabanıyla çalışan bir MySQL konteyneri başlatır