```
iambl0ck@iambl0ck:-$ sudo docker search alpina
[sudo] password for iambl0ck:
NAME                              DESCRIPTION                                      STARS   OFFICIAL   AUTOMATED
tesslime/alpinator                Alpine image with some usefully tools            0
alpinaris/hyperdriven-api         Docker image for the Hyperdriven API             0
blizda/alpina-jvm-mpj             Alpina image with jvm and mpj inside             0
linuxfacile/alpinano              # for Raspberry PI 2 (linux/arm/v7) from : a…    0
madhead/lv-alpina                 (Alpine + JFrog CLI) @ Docker                    0                  [OK]
juanpavilla1999/alpina-backend                                                     0
juanpavilla1999/alpina-frontend                                                    0
spinedaq/alpina_docker                                                             0
juanpavilla1999/alpina_models                                                      0
fantaofan/alpina                                                                   0
viktotgreamer/php7.4-alpina                                                        0
robbederidder/new-alpina                                                           0
tianyahaitangke/alpina                                                             0
achraftawes/alpina                                                                 0
lvv321/nginx-alpina-my                                                             0
nicolasbraga11/alpina_git                                                          0
jgarc448/alpinako                                                                  0
garmanetti/alpina_git                                                              0
matildelanza/alpina_git                                                            0
martindesouza/alpina_git                                                           0
joaquindominguez30/alpina_git                                                      0
santiagodiazllanes/alpina_git                                                      0
nolwenture/nginx-node             Image with nginx alpina and node                 0
anrs125/alpina                                                                     0
tomaszgolec1993/alpine            my alpina image                                  0
iambl0ck@iambl0ck:-$
```

Resmi docker reposunda image arama komutu

```
iambl0ck@iambl0ck: ~                                                  iambl0ck@iambl0ck: ~

iambl0ck@iambl0ck:~$ sudo docker pull alpine:latest
latest: Pulling from library/alpine
c6a83fedfae6: Pull complete
Digest: sha256:0a4eaa0eecf5f8c050e5bba433f58c052be7587ee8af3e8b3910ef9ab5fbe9f5
Status: Downloaded newer image for alpine:latest
docker.io/library/alpine:latest
iambl0ck@iambl0ck:~$
```

docker reposundan image çekme komutu

```
iambl0ck@iambl0ck: ~                                                  iambl0ck@iambl0ck: ~

iambl0ck@iambl0ck:~$ sudo docker images
REPOSITORY     TAG        IMAGE ID        CREATED       SIZE
alpine         latest     324bc02ae123    2 days ago    7.8MB
iambl0ck@iambl0ck:~$
```

mevcut imageleri görüntüleme

```
alpine         latest     324bc02ae123    2 days ago    7.8MB
iambl0ck@iambl0ck:~$ sudo docker image ls
REPOSITORY     TAG        IMAGE ID        CREATED       SIZE
alpine         latest     324bc02ae123    2 days ago    7.8MB
iambl0ck@iambl0ck:~$
```

mevcut imageleri görüntüleme alternatif

```
iambl0ck@iambl0ck:~$ sudo docker run -p 8080:80 alpine
iambl0ck@iambl0ck:~$
```

container başlatır containerdaki 80 portunu ana makinedeki 8080 portuna bağlar

```
iambl0ck@iambl0ck:~$ sudo docker image inspect alpine
[
    {
        "Id": "sha256:324bc02ae1231fd9255658c128086395d3fa0aedd5a41ab6b034fd649d1a9260",
        "RepoTags": [
            "alpine:latest"
        ],
        "RepoDigests": [
            "alpine@sha256:0a4eaa0eecf5f8c050e5bba433f58c052be7587ee8af3e8b3910ef9ab5fbe9f5"
        ],
        "Parent": "",
        "Comment": "",
        "Created": "2024-07-22T22:26:43.778747613Z",
        "Container": "fc33bc50844a0d6cdfc682fcf85647ec60783decbd3850e58ab7e013ef892cfb",
        "ContainerConfig": {
            "Hostname": "fc33bc50844a",
            "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",
                "-c",
                "#(nop) ",
                "CMD [\"/bin/sh\"]"
            ],
            "Image": "sha256:3e25db883ea289c8b0d3006e7a6a03c56be09c50f03f6b228ba2fe74fd8194d2",
            "Volumes": null,
            "WorkingDir": "",
            "Entrypoint": null,
            "OnBuild": null,
            "Labels": {}
        },
```

docker imageleri hakkında detaylı bilgi sağlar

```
iambl0ck@iambl0ck:~$ sudo docker run alpine echo "Alpine"
Alpine
iambl0ck@IAMBL0CK:~$
```

container başlatır ve içerisinde echo "alpine" komutunu çalıştırır

```
iambl0ck@iambl0ck:~$ docker version
Client:
 Version:           24.0.5
 API version:       1.43
 Go version:        go1.20.8
 Git commit:        ced0996
 Built:             Sat Oct  7 00:14:00 2023
 OS/Arch:           linux/amd64
 Context:           default
permission denied while trying to connect to the Docker daemon socket at unix:///var/run/docker.sock: Get "http://%2Fvar%2Frun%2Fdocker.sock/v1.24/version": dial unix /var/run/d
er.sock: connect: permission denied
iambl0ck@iambl0ck:~$
```

docker versiyonunu görüntüler

```
iambl0ck@iambl0ck:~$ sudo docker run -d alpine
8add6dddc2fcdcfce7269fbcb36e1d0fa6bed87a574f6b4551b347c5a9e8550b
iambl0ck@IAMBL0CK:~$
```

containere arka planda çalıştırır

```
iambl0ck@iambl0ck:~$ sudo docker run -v data:/[volume Name] [image]
docker: invalid reference format: repository name must be lowercase.
See 'docker run --help'.
```

containera data bağlar

```
iambl0ck@iambl0ck:~$ sudo docker ps
CONTAINER ID   IMAGE     COMMAND   CREATED   STATUS    PORTS     NAMES
```

dockerda çalışan containerları görüntüler

2.Kısım

```
docker-compose.yml
dockerize_me > docker-compose.yml
  1   version: '3'
  2
```

docker compose versiyonunu belirtir 3. versiyon

```yaml
services:
  app:
    build:
      context: .
      dockerfile: Dockerfile
    depends_on:
      - db
    ports:
      - "80:80"
    networks:
      - net
```

services

servis konteynırıdır bunun içerisinde app konteynırı onun altında da build ile app container ı
bu konumdaki dockerfile a yönlendirir

depends_on neye bağlı olduğunu söyler

ports açık portları belirtir

networks ile app servisi net networküne bağlanır

```yaml
  db:
    image: mysql:latest
    environment:
      - MYSQL_DATABASE=yavuzlar
      - MYSQL_ROOT_PASSWORD=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

volumes:
  db_data:
```

environment ortam değişkenlerini ayarlar
yavuzlar database i oluşturulur
root pass 1 e ayarlanır
db data adlı volume /var/lib/mysql e bağlanmış sonrasında yavuzlar_messages.sql
dosyasıkonteynıra bağlanmış
8080 portu 3306 a bağlanmış
networks db servisi bridge ile bağlanmış

MINGW64:/c/Users/Orhun/Desktop/sslerrr/sibervatan_bootcamp

```
Orhun@DESKTOP-KL6T9ID MINGW64 ~/Desktop/sslerrr
$ git clone https://github.com/iambl0ck/sibervatan_bootcamp.git
Cloning into 'sibervatan_bootcamp'...
warning: You appear to have cloned an empty repository.

Orhun@DESKTOP-KL6T9ID MINGW64 ~/Desktop/sslerrr
$ cd sibervatan_bootcamp/

Orhun@DESKTOP-KL6T9ID MINGW64 ~/Desktop/sslerrr/sibervatan_bootcamp (main)
$ ls

Orhun@DESKTOP-KL6T9ID MINGW64 ~/Desktop/sslerrr/sibervatan_bootcamp (main)
$ git add .

Orhun@DESKTOP-KL6T9ID MINGW64 ~/Desktop/sslerrr/sibervatan_bootcamp (main)
$ git commit -m "first branch"
Author identity unknown

*** Please tell me who you are.

Run

  git config --global user.email "you@example.com"
```

MINGW64:/c/Users/Orhun/Desktop/sslerrr/sibervatan_bootcamp

```
Run

  git config --global user.email "you@example.com"
  git config --global user.name "Your Name"

to set your account's default identity.
Omit --global to set the identity only in this repository.

fatal: unable to auto-detect email address (got 'Orhun@DESKTOP-KL6T9ID.(none)')

Orhun@DESKTOP-KL6T9ID MINGW64 ~/Desktop/sslerrr/sibervatan_bootcamp (main)
$ git config --global user.mail "                          "
> git config --global user.name "       "

Orhun@DESKTOP-KL6T9ID MINGW64 ~/Desktop/sslerrr/sibervatan_bootcamp (main)
$ ^C

Orhun@DESKTOP-KL6T9ID MINGW64 ~/Desktop/sslerrr/sibervatan_bootcamp (main)
$ git config --global user.mail "                    "

Orhun@DESKTOP-KL6T9ID MINGW64 ~/Desktop/sslerrr/sibervatan_bootcamp (main)
$ git config --global user.name "        "

Orhun@DESKTOP-KL6T9ID MINGW64 ~/Desktop/sslerrr/sibervatan_bootcamp (main)
```

```
MINGW64:/c/Users/Orhun/Desktop/sslerrr/sibervatan_bootcamp                    —    □    ×

$ git config --global user.name "iambl0ck"

Orhun@DESKTOP-KL6T9ID MINGW64 ~/Desktop/sslerrr/sibervatan_bootcamp (main)
$ git commit -m "first branch"
Author identity unknown

*** Please tell me who you are.

Run

  git config --global user.email "you@example.com"
  git config --global user.name "Your Name"

to set your account's default identity.
Omit --global to set the identity only in this repository.

fatal: unable to auto-detect email address (got 'Orhun@DESKTOP-KL6T9ID.(none)')

Orhun@DESKTOP-KL6T9ID MINGW64 ~/Desktop/sslerrr/sibervatan_bootcamp (main)
$ git config --global user.email "████████████om"

Orhun@DESKTOP-KL6T9ID MINGW64 ~/Desktop/sslerrr/sibervatan_bootcamp (main)
$ git config --global user.name ████████
```

```
MINGW64:/c/Users/Orhun/Desktop/sslerrr/sibervatan_bootcamp                    —    □    ×

Orhun@DESKTOP-KL6T9ID MINGW64 ~/Desktop/sslerrr/sibervatan_bootcamp (main)
$ git commit -m "first branch"
On branch main

Initial commit

nothing to commit (create/copy files and use "git add" to track)

Orhun@DESKTOP-KL6T9ID MINGW64 ~/Desktop/sslerrr/sibervatan_bootcamp (main)
$ git push
error: src refspec refs/heads/main does not match any
error: failed to push some refs to 'https://github.com/iambl0ck/sibervatan_bootc
amp.git'

Orhun@DESKTOP-KL6T9ID MINGW64 ~/Desktop/sslerrr/sibervatan_bootcamp (main)
$ git add .

Orhun@DESKTOP-KL6T9ID MINGW64 ~/Desktop/sslerrr/sibervatan_bootcamp (main)
$ ls

Orhun@DESKTOP-KL6T9ID MINGW64 ~/Desktop/sslerrr/sibervatan_bootcamp (main)
$ git commit .git/
COMMIT_EDITMSG      description      index           refs/
```

```
MINGW64:/c/Users/Orhun/Desktop/sslerrr/sibervatan_bootcamp            —     □     ✕

Orhun@DESKTOP-KL6T9ID MINGW64 ~/Desktop/sslerrr/sibervatan_bootcamp (main)
$ git add .

Orhun@DESKTOP-KL6T9ID MINGW64 ~/Desktop/sslerrr/sibervatan_bootcamp (main)
$ git push
error: src refspec refs/heads/main does not match any
error: failed to push some refs to 'https://github.com/iambl0ck/sibervatan_bootc
amp.git'

Orhun@DESKTOP-KL6T9ID MINGW64 ~/Desktop/sslerrr/sibervatan_bootcamp (main)
$ git commit -m "ilk"
[main (root-commit) 5637904] ilk
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 bootcamp3.pdf

Orhun@DESKTOP-KL6T9ID MINGW64 ~/Desktop/sslerrr/sibervatan_bootcamp (main)
$ git push
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Delta compression using up to 16 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 326.48 KiB | 29.68 MiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/iambl0ck/sibervatan_bootcamp.git
```