run a container from it || add this option to the docker run command --env MARIADB_ROOT_PASSWORD=my-secret-pw:

```
soha@ubuntu:-/depi_fi/led3 docker run --env MARIADB_ROOT_PASSWORD=my-secret-pw mariadb
2025-07-26 21:07:34+00:00 [Noto] [Entrypoint]: Entrypoint script for MariaDB Server 1:11.8.2+maria-ubu2404 started.
2025-07-26 21:07:34+00:00 [Marn] [Entrypoint]: /sys/fs/cgroup///memory.pressure not writable, functionality unavailable to MariaDB
2025-07-26 21:07:34+00:00 [Note] [Entrypoint]: Switching to dedicated user 'mysql'
2025-07-26 21:07:34+00:00 [Note] [Entrypoint]: Entrypoint script for MariaDB Server 1:11.8.2+maria-ubu2404 started.
2025-07-26 21:07:34+00:00 [Note] [Entrypoint]: Initializing database files
2025-07-26 21:07:34+00:00 [Note] [Entrypoint]: Initializing database files
2025-07-26 21:07:34+00:00 [Note] [Entrypoint]: Initializing database files
2025-07-26 21:07:34-00:00 [Marning] mariadbd: io_uring_queue_init() failed with EPERM: sysctl kernel.io_uring_disabled has the value 2, or 1 and the user of the process is not a member of sysctl kernel.io_uring_group. (see man 2 io_uring_setup)
2025-07-26 21:07:36-00:00 [Note] [Entrypoint]: Database files initialized
2025-07-26 21:07:36-00:00 [Note] [Entrypoint]: Starting temporary server
2025-07-26 21:07:36-00:00 [Note] [Entrypoint]: Starting temporary server
2025-07-26 21:07:36-00:00 [Note] [Entrypoint]: Maiting for server startup
2025-07-26 21:07:36 0 [Note] InnoBB: Starting MariaDB 11.8.2-MariaDB-ubu2404 source revision 8d36cafe4fc700e6e577d5a36650c58707e
2025-07-26 21:07:36 0 [Note] InnoBB: Starting MariaDB 11.8.2-MariaDB-ubu2404 source revision 8d36cafe4fc700e6e577d5a36650c58707e
2025-07-26 21:07:36 0 [Note] InnoBB: Starting MariaDB 11.8.2-MariaDB 10.8.2
2025-07-26 21:07:36 0 [Note] InnoBB: Starting MariaDB 11.8.2-MariaDB 10.8.2
2025-07-26 21:07:36 0 [Note] InnoBB: Starting MariaDB 11.8.2-MariaDB 10.8.2
2025-07-26 21:07:36 0 [Note] InnoBB: Starting MariaDB 10.8.2
2025-07-26 21:07:36 0 [Note] InnoBB: Starting MariaDB 10.8.2
2025-07-26 21:07:36 0 [Note] InnoBB: Starting MariaDB 10.8.2
2025-07-26 21:07:36 0 [Note] InnoBB: Completed initialization of buffer pool
202
```

2. name the container <yourname>-maridadb:

```
ioha@ubuntu:~$ docker run -d -p 3306:3306 --name sohaa --env MARIADB_ROOT_PASSWORD=my-secret-pw mariadb
345c3455917ea6c25b676364b3e39dd3d12e1733f56e87f1fd8a54d9342355b1
```

- 3. portforward port 3306 from the host to the same port inside the container:
- 4. make sure that the container runs in the detached mode:

```
soha@ubuntu:-$ docker ps
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS
    NAMES
845c3455917e mariadb "docker-entrypoint.s..." 6 seconds ago Up 5 seconds 0.0.0.0:3306->3306/tcp, [::]:3306->3306/tcp sohaa
soha@ubuntu:-$ docker login
```

5. Create account in Dockerhub:

```
using web-based login

Using web-based login

Info → To sign in with credentials on the command line, use 'docker login -u <username>'

Your one-time device confirmation code is: XHCW-MBBG

Press ENTER to open your browser or submit your device code here: https://login.docker.com/activ.

Waiting for authentication in the browser...

WARNING! Your credentials are stored unencrypted in '/home/soha/.docker/config.json'.

Configure a credential helper to remove this warning. See

https://docs.docker.com/go/credential-store/
```

6. run a second container from the same image:

```
soha@ubuntu:~$ docker run -d -p 3307:3306 --name soha2 --env MARIADB_ROOT_PASSWORD=my-secret-pw mariadb
926a6d622667d7ca1f9ec32b239a55d4c0ec5541289875e23e6d3e24d203161e
```

7. list the running containers:

8. Search how to get the default port the service inside the container is listening on:

```
soha@ubuntu:~$ docker inspect sohaa

}

,

"Config": {
    "Hostname": "845c3455917e",
    "Domainname": "",
    "User": "",
    "AttachStdin": false,
    "AttachStdout": false,
    "AttachStderr": false,
    "ExposedPorts": {
        "3306/tcp": {}
    },
    "Tty": false,
```