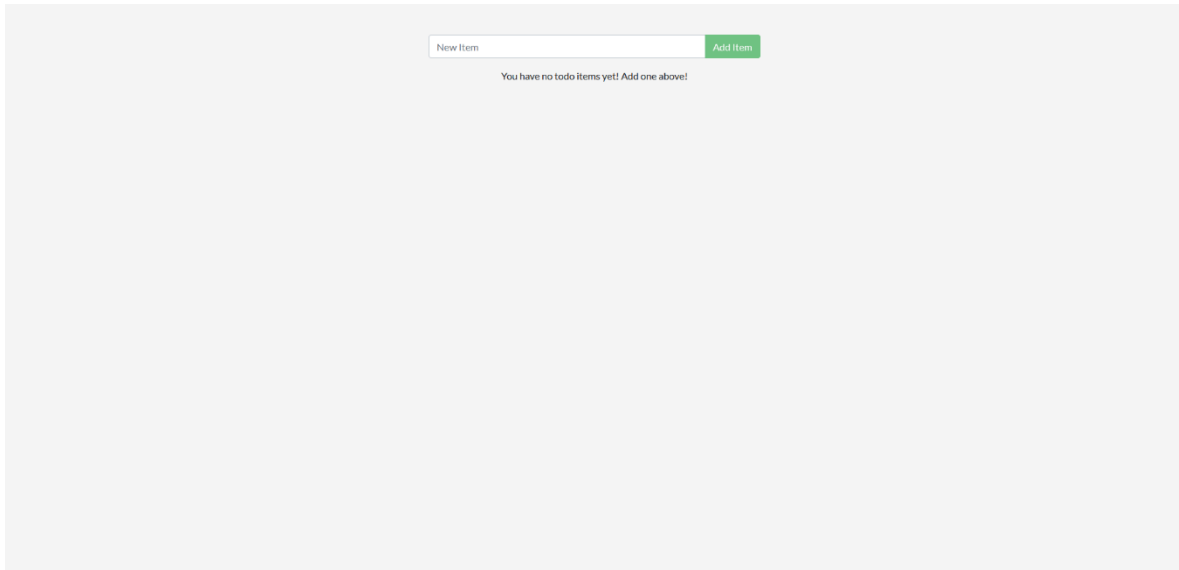# Laboratorio 4: Creación de aplicaciones con Docker

1. Comando **docker ps**

```
antho@Anthony MINGW64 ~/downloads/getting-started-app (main)
$ docker ps
CONTAINER ID   IMAGE            COMMAND                CREATED         STATUS          PORTS
b7a18d56b593   getting-started  "docker-entrypoint.s…" 19 seconds ago  Up 18 seconds   127.0.0.1:3000->3000/tcp
amihira
```

2. Página web actualizada

3. Comando **docker volume inspect todo-db**

```
antho@Anthony MINGW64 ~/downloads
$ docker volume inspect todo-db
[
    {
        "CreatedAt": "2024-06-08T01:49:09Z",
        "Driver": "local",
        "Labels": null,
        "Mountpoint": "/var/lib/docker/volumes/todo-db/_data",
        "Name": "todo-db",
        "Options": null,
        "Scope": "local"
    }
]
```

4. Comando **docker network ls.**

```
antho@Anthony MINGW64 ~/downloads/getting-started-app (main)
$   docker network ls
NETWORK ID      NAME        DRIVER      SCOPE
b84a5607aeda    bridge      bridge      local
5986394f50b6    host        host        local
f00d43577e95    none        null        local
a6a249518b8a    todo-app    bridge      local
```

Comando **docker container ls.**

```
antho@Anthony MINGW64 ~/downloads/getting-started-app (main)
$   docker container ls
CONTAINER ID  IMAGE         COMMAND               CREATED         STATUS         PORTS                      NAMES
ed2fd71950f2  node:18-alpine "docker-entrypoint.s…" 12 minutes ago  Up 12 minutes  127.0.0.1:3000->3000/tcp   suspicious_morse
b467784a847f  mysql:8.0     "docker-entrypoint.s…" 19 minutes ago  Up 19 minutes  3306/tcp, 33060/tcp        bold_carver
```

5. Comando **docker compose up -d.**

```
antho@Anthony MINGW64 ~/downloads/getting-started-app (main)
$ docker compose up -d
 Network getting-started-app_default  Creating
 Network getting-started-app_default  Created
 Volume "getting-started-app_todo-mysql-data"  Creating
 Volume "getting-started-app_todo-mysql-data"  Created
 Container getting-started-app-mysql-1  Creating
 Container getting-started-app-app-1  Creating
 Container getting-started-app-app-1  Created
 Container getting-started-app-mysql-1  Created
 Container getting-started-app-mysql-1  Starting
 Container getting-started-app-app-1  Starting
 Container getting-started-app-mysql-1  Started
Error response from daemon: driver failed programming external connectivity on endpoint getting-started-app-app-1 (5a36c104e168249ba6b
f699a7e339552cc3a58122a9f250bb8f65bf384f3d0a9): Bind for 127.0.0.1:3000 failed: port is already allocated

antho@Anthony MINGW64 ~/downloads/getting-started-app (main)
$ docker compose up -d
 Container getting-started-app-mysql-1  Running
 Container getting-started-app-app-1  Starting
 Container getting-started-app-app-1  Started
```

Comando **docker container ls**

```
antho@Anthony MINGW64 ~/downloads/getting-started-app (main)
$               docker container ls
CONTAINER ID  IMAGE         COMMAND               CREATED        STATUS        PORTS                      NAMES
4f9e9c4a79ca  mysql:8.0     "docker-entrypoint.s…" 7 minutes ago  Up 7 minutes  3306/tcp, 33060/tcp        getting-started-app-mysql-1
593f634a27f4  node:18-alpine "docker-entrypoint.s…" 7 minutes ago  Up 6 minutes  127.0.0.1:3000->3000/tcp   getting-started-app-app-1
```