

Exercise Worksheet

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From the Course:

Understanding Docker Run, Dockerfile, Docker-Compose for Beginners

Lecture: Running a single Docker Container step by step

```
docker run -it ubuntu /bin/bash
```

- runs the container and attaches to stdin, the standard input, where the /bin/bash process is opened
- flags:
 - -it: interactive flag

```
ls
```

- file system from linux

```
cli2: docker ps
```

- Start this from a second terminal
- lists the currently running container

```
exit
```

- Exits the container and the linux file system again

```
cli2: docker ps
```

- Lists the currently running containers, which is empty

```
cli2: docker ps -a
```

- Lists all containers, the running ones and the empty ones

```
docker start container_identifier
```

- We can restart a container that was previously running

```
cli2: docker ps
```

- The container comes up as running again. Creation date != running date

```
docker attach container_identifier
```

- We can re-attach to the container

```
cli2: docker stop container_identifier
```

- stop the running container

```
docker ps
```

- The container is not running anymore

```
docker ps -a
```

- The container is still in our system

```
docker rm container_identifier
```

- Clean up: Remove the container

```
docker ps -a
```

- And the list is empty again