`docker inspect` is a great tool for managing and troubleshooting your Docker objects. `docker inspect` is the simplest way to find additional information about existing objects, such as containers, images, and services. In this lesson, we will talk about some of the different forms of `docker inspect` commands and some of the options associated with those commands.

Relevant Documentation

- https://docs.docker.com/engine/swarm/services/
- https://docs.docker.com/engine/swarm/how-swarm-mode-works/services/
- https://docs.docker.com/engine/reference/commandline/service_create/

Lesson Reference

1. Run a container and inspect it.

```
docker run -d --name nginx nginx
docker inspect <CONTAINER_ID>
```

2. List the containers and images to get their IDs, then inspect an image.

```
docker container ls
docker image ls
docker inspect <IMAGE_ID>
```

3. Create and inspect a service.

```
docker service create --name nginx-svc nginx
docker service ls
docker inspect <SERVICE_ID>
docker inspect nginx-svc
```

4. Use the type-specific commands to inspect objects.

```
docker container inspect nginx
docker service inspect nginx-svc
```

5. Use the `--format` flag to retrieve a subset of the data in a specific format.

```
docker service inspect --format='{{.ID}}' nginx-svc
```