- 1. Docker Compose YAML File A Docker Compose YAML file is used to define the configuration of your multi-container application. It typically consists of the following sections:
 - a. version: Specifies the version of the Docker Compose file format being used.
 - services: Defines the individual services that make up your application, each represented as a key-value pair. Each service can have its own configuration such as the base image, ports, volumes, environment variables, etc.
 - c. networks: Optionally defines custom networks that services can connect to. This allows you to control the network communication between services.
 - d. volumes: Optionally defines named volumes that can be mounted into containers. Volumes are used to persist data generated by containers and to share data between containers.
- 2. Here's a basic example of a Docker Compose YAML file:

In this example:

We define two services: web and db.

The web service uses the nginx:latest image and maps port 80 on the host to port 80 in the container.

The db service uses the mysql:latest image and sets the MYSQL ROOT PASSWORD environment variable.

3. Docker Compose CLI Commands:

Here are some commonly used Docker Compose CLI commands:

```
docker-compose up
```

Explanation: Builds, (re)creates, starts, and attaches to containers for a service. It also creates and starts any linked services.

```
docker-compose down
```

Explanation: Stops and removes containers, networks, volumes, and images created by up.

```
docker-compose build
```

Explanation: Builds or rebuilds services defined in the docker-compose.yml file.

```
docker-compose start
```

Explanation: Starts existing containers for services defined in the docker-compose docker-compose.yml file.

```
docker-compose stop
```

Explanation: Stops running containers for services defined in the docker-compose.yml file, but doesn't remove them.

```
docker-compose restart
```

Explanation: Restarts services defined in the docker-compose.yml file.

```
docker-compose logs
```

Explanation: Displays log output from services defined in the docker-compose.yml file.