### **Lab Exercise 2- Docker-Compose file**

**Objective:**

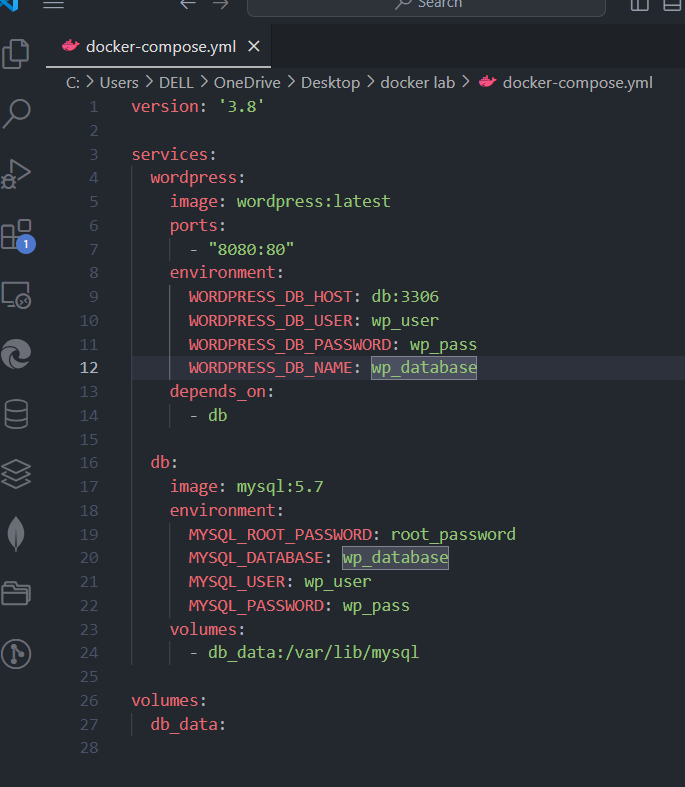
Set up a WordPress environment using Docker Compose, including a MySQL database as the backend.

**Prerequisites:**

* Docker and Docker Compose installed on your system.

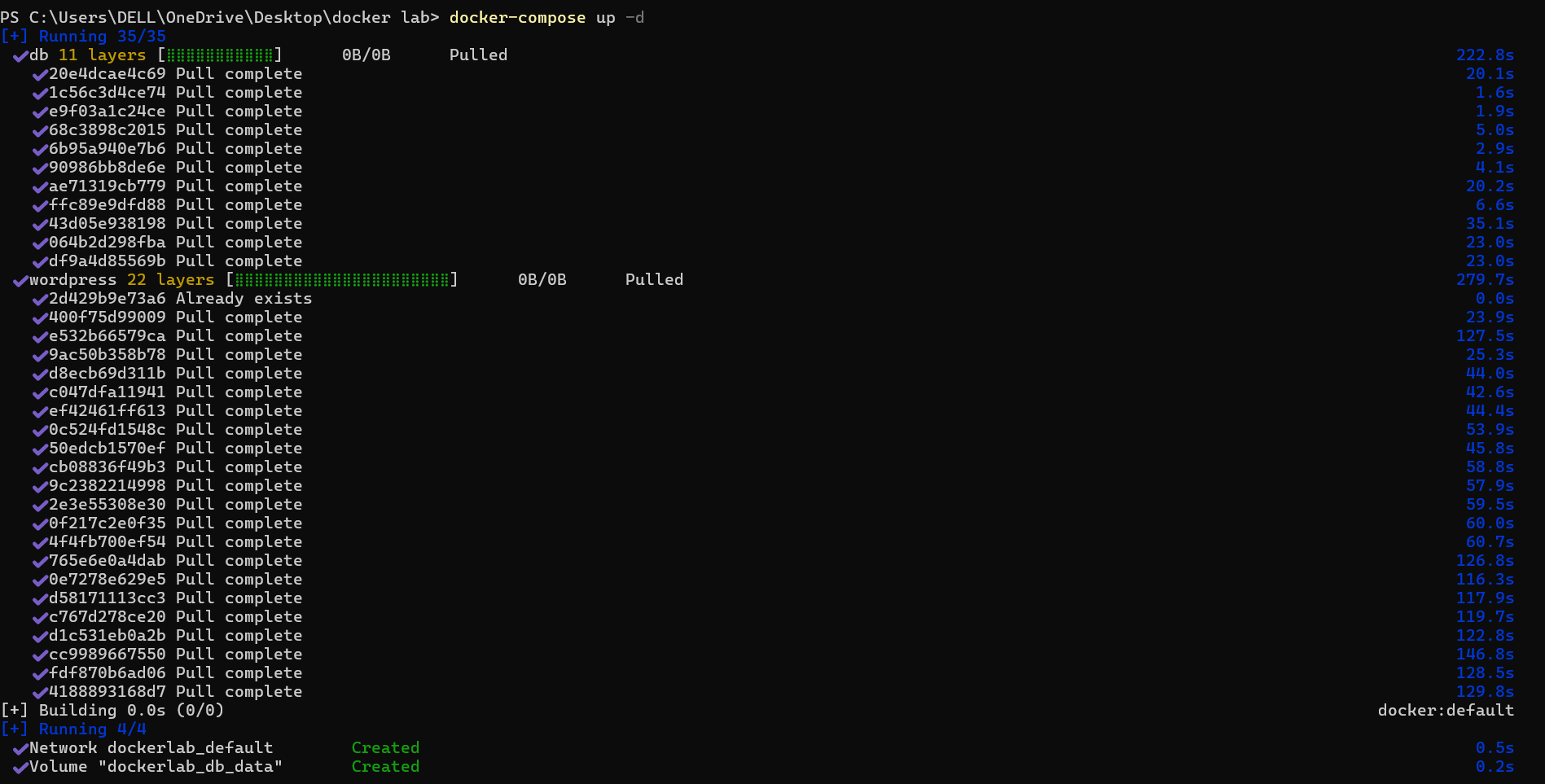
**Step 1: Create a docker-compose.yml File**

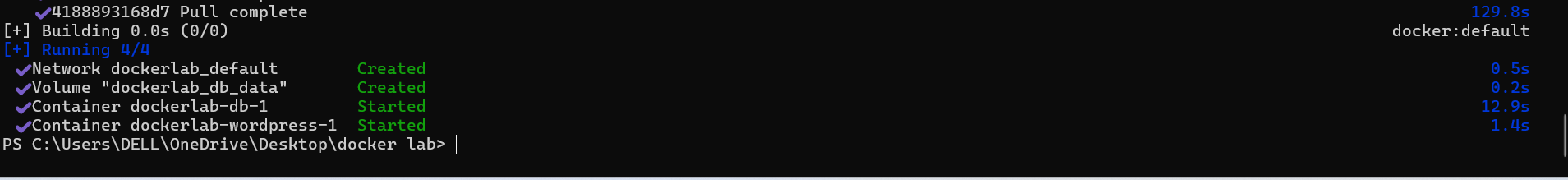
1. In the project directory, create a file named docker-compose.yml.
2. Add the following content to docker-compose.yml:

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**Step 2: Start the Containers**

1. Run the following command to start the containers:





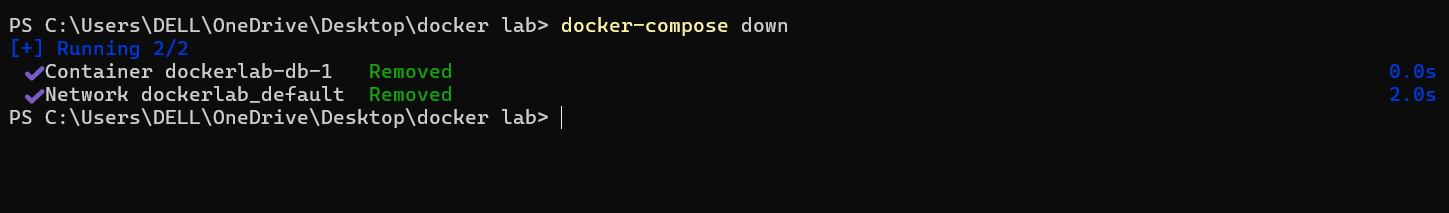
1. Docker Compose will download the necessary images (WordPress and MySQL) and start both services.

**Step 4: Access WordPress**

1. Open your web browser and go to http://localhost:8080.
2. Follow the WordPress installation steps to set up your site.

**Step 5: Stop and Remove Containers**

To stop the containers and remove the associated resources, run:



**Explanation of docker-compose.yml:**

* **wordpress**: Sets up the WordPress container, mapping port 80 inside the container to port 8080 on your local machine.
* **db**: Sets up the MySQL container with a volume (db\_data) for persistent storage.

**Additional Notes:**

* Modify the environment variables as needed for different configurations.
* To view logs, use docker-compose logs -f.

This setup allows you to quickly start a WordPress site locally and experiment with configurations.