**Exercise 2.6: Docker Compose**

Use Docker Compose to manage a container.

**Step 1**

Start and connect to your Google Compute Engine virtual machine.

Download the docker-compose executable.  
cd  
mkdir bin  
curl -L "https://github.com/docker/compose/releases/download/1.9.0/docker-compose-$(uname -s)-$(uname -m)" -o bin/docker-compose  
chmod +x bin/docker-compose

**Step 2**

Change to the exercise directory.  
cd devops-lesson-2/lab-2.6

Look at the Dockerfile.  
cat Dockerfile

Build the Docker image.  
docker build -t centos-sshd .

**Step 3**

Run the image.  
docker run -d --name sshd -p 2222:22 centos-sshd  
docker ps

Connect to the ssh server.  
ssh -p 2222 student@localhost  
Answer yes to accept the RSA key.  
Give the password student.  
Verify that you are logged into the server.  
Log out with control-D.

Stop the server.  
docker rm -f sshd

**Step 4**

Look at the Docker Compose YAML file.  
cat docker-compose.yml

The directory sshd is a build directory containing a copy of the Dockerfile.  
Start the server.  
~/bin/docker-compose up -d  
~/bin/docker-compose ps

Connect to the ssh server.  
ssh -p 2222 student@localhost  
Give the password student.  
Verify that you are logged into the server.  
Log out with control-D.

Stop the server.  
~/bin/docker-compose down  
~/bin/docker-compose ps

**Step 5**

Disconnect from the virtual machine.  
Stop the virtual machine.