Docker assignment

Task: Complete the list of tasks below and we will discuss after.

Task 1: Create a GIT image and push a file to GitHub from your container. The file must come from your host machine.

- You will need to download SSH on your container
- Make sure GIT is installed on the container too
- Create an image from your container and label it GIT
- Create a container from your GIT image with a shared folder
- Configure your container to SSH into GItHub
- Finally, upload your file to GitHub

Task 2: Create a Jenkins container and run your first container pipeline.

- Use this link to create a Jenkins container: https://www.jenkins.io/doc/book/installing/docker/
- Note!! When you create a volume, create the folder locally first and enter the full path to the volume. See blow:

```
--volume jenkins-data:/var/jenkins_home ^
--volume jenkins-docker-certs:/certs/client:ro ^
```

Create:
[your file path]/jenkins-data:/var/jenkins_home
[your file path]/jenkins-docker-certs:/certs/client:ro

- Create a test pipeline script with a build, test, and deploy stage
- Use a Linux image for this build and run Linux commands in each stage

Task 3: Create a stage from a previous pipeline in your Jenkins container, then build the job through BlueOcean.

- Remember to create a container with the software needed to build your job/project
- You may want to run the stage you want Jenkins to run in a container yourself