Exercise 3

Use pdf format for submissions.

1

Create a [new github repository](#) (you will need to create a personal access token). Commit the Jenkinsfile from the lecture notes to the master (default) branch. It will run the shell command: "echo this is the master branch".

Create a new branch called "testing", and modify the Jenkins file in that branch. It will run the command "echo this is a testing branch"

Create two pipelines. Use the lab in this week's lecture notes as guidance.

The first must use the Jenkinsfile in the master branch.

The second pipeline must use the Jenkins file in the "testing" branch.

For each pipeline, submit your Jenkinsfile and screenshots showing the output from the Console logs when the builds are complete. Discuss any problems you ran into and how you solved them.

2

Delete your kubernetes pod:

```
kubectl delete pod <your pod name> -n jenkins
```

Then observe what happens:

```
kubectl get pods -n jenkins
```

a) Is the pod restarted? Why?
b) What happens to the pipelines you created earlier in jenkins?
c) In the service yaml file, there is a section on "volumes". What is /var/jenkins_home mapped to? How is this related to question b above?