# Day 5: DevOps

## Create GitHub repo:

"Add and commit all files to the remote repository."

```
| Student@mcaccl=6:-/kubernetes-day5/day55 git inith
| hint: Using 'master' as the name for the initial branch. This default branch name
| hint: Using 'master' as the name for the initial branch name to use in all
| hint: Of your new repositories, which will suppress this warning, call:
| hint: Of your new repositories, which will suppress this warning, call:
| hint: git config --global init.defaultBranch <name>
| hint: git branch -m <name>
| hin
```

Push local changes to the remote repository

```
student@mcaccl-6:-/kubernetes-day5/day5$ git push origin main
Username for 'https://github.com': iamJABASTIN
Password for 'https://github.com':
Enumerating objects: 18, done.
Counting objects: 18, done.
Counting objects: 18, done.
Delta compression using up to 16 threads
Compression objects: 180% (18/18), done.
Writing objects: 180% (18/18), 2.71 KiB | 2.71 KiB
```

## Create a Jenkins config file Jenkinsfile

A **Jenkinsfile** is a script that defines a **Jenkins pipeline**. It outlines how Jenkins should build, test, and deploy your code. Instead of manually configuring Jenkins jobs through the web interface, you can store the entire pipeline as code in your repository

```
student@mcaccl-6:-/kubernetes-day$/day5$ sudo systemctl enable jenkins
[sudo] passmord for student:
Synchronizing state of jenkins.service with SysV service script with /usr/lib/systemd/systemd-sysv-install.
Executing: /usr/lib/systemd/systemd-sysv-install enable jenkins
student@mcaccl-6:-/kubernetes-day5/day5$ sudo systemctl start jenkins
student@mcaccl-6:-/kubernetes-day5/day5$
```

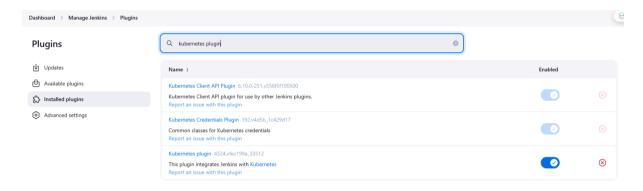
Vist the Jenkins in Port 8080

## Jenkins Pipe Line

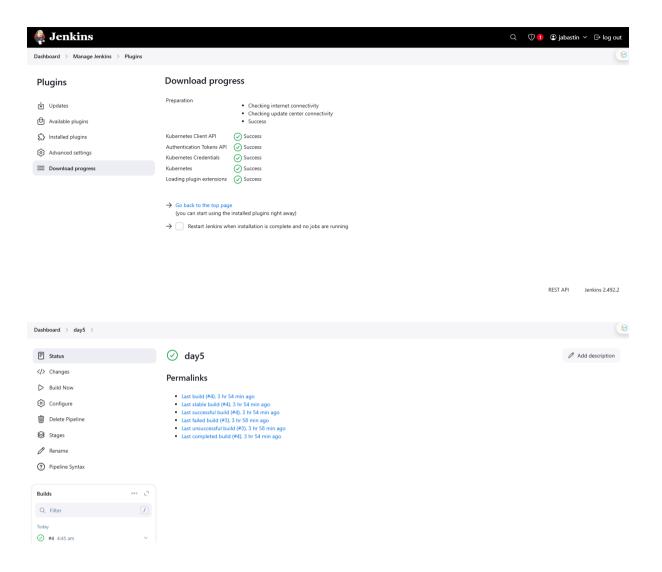
Create a Jenkins Pipeline

Push the Jenkins file to the Remote Repo

## Install Kubernetes plugin in Jenkins



Build the Jenkins



## Build successful

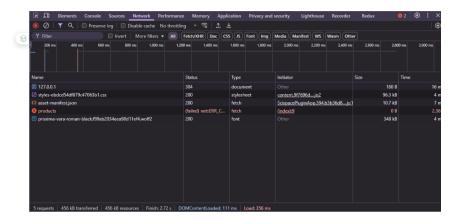
#### To test Frontend



### To Test backend

#### **Welcome to Our Store**

Loading..



Note: We expect this kind of output because we are running this frontend on localhost.

— COMPLETED —