STEP 1:

Cloning the specified GitHub repository to the local development environment.

```
selya11@LAPTOP-0R6BSQFD:~$ git clone https://github.com/selyavarsneem09/dev-day6.git
Cloning into 'dev-day6'...
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
Receiving objects: 100% (3/3), done.
```

STEP 2:

Adding the 'frontend' and 'backend' changes to the staging area in Git.

```
selya11@LAPTOP-0R6BSQFD:~/dev-day6$ git add frontend
selya11@LAPTOP-0R6BSQFD:~/dev-day6$ git add backend
```

STEP 3:

Committing changes to Git with a message about moving the frontend folder from the Kubernetes directory.

```
selya11@LAPTOP-0R6BSQFD:~/dev-day6$ git commit -m "Moved frontend folder from Kubernetes directory"
[main b8cc370] Moved frontend folder from Kubernetes directory
 6 files changed, 62 insertions(+)
 create mode 100644 backend/app.py
 create mode 100644 backend/dockerfile
 create mode 100644 backend/products.csv
 create mode 100644 backend/requirements.txt
 create mode 100644 frontend/dockerfile
 create mode 100644 frontend/index.html
```

STEP 4:

Pushing local commits to the remote GitHub repository's main branch.

```
selya11@LAPTOP-0R6BSQFD:~/dev-day6$ git push origin main
Username for 'https://github.com': selyavarsneem09
Password for 'https://selyavarsneem09@github.com':
Enumerating objects: 11, done.
Counting objects: 100% (11/11), done.
Delta compression using up to 8 threads
Compressing objects: 100% (9/9), done.
Writing objects: 100% (10/10), 1.50 KiB | 766.00 KiB/s, done.
Total 10 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/selyavarsneem09/dev-day6.git
   5bb3718..b8cc370  main -> main
```

STEP 5:

Adding the 'k8s' folder changes to the staging area and committing with a message about moving it from the Kubernetes directory.

```
selya11@LAPTOP-0R6BSQFD:~/dev-day6$ git add k8s
selya11@LAPTOP-0R6BSQFD:~/dev-day6$ git commit -m "Moved k8s folder from Kubernetes directory"
[main e3d6182] Moved k8s folder from Kubernetes directory
 5 files changed, 80 insertions(+)
 create mode 100644 k8s/allow-all.yaml
 create mode 100644 k8s/backend-deployment.yaml
 create mode 100644 k8s/configmap.yaml
 create mode 100644 k8s/frontend-deployment.yaml
 create mode 100644 k8s/service.yaml
```

STEP 6:

Pushing the latest local commits of the 'k8s' folder to the remote GitHub repository's main branch.

```
selya11@LAPTOP-0R6BSQFD:~/dev-day6$ git push origin main
Username for 'https://github.com': selyavarsneem09
Password for 'https://selyavarsneem09@github.com':
Enumerating objects: 9, done.
Counting objects: 100% (9/9), done.
Delta compression using up to 8 threads
Compressing objects: 100% (8/8), done.
Writing objects: 100% (8/8), 1.09 KiB | 557.00 KiB/s, done.
Total 8 (delta 2), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (2/2), completed with 1 local object.
To https://github.com/selyavarsneem09/dev-day6.git
   b8cc370..e3d6182  main -> main
```

STEP 7:

Opening a file named jenkinsfile in the Nano text editor for editing.

```
selya11@LAPTOP-0R6BSQFD:~/dev-day6$ nano jenkinsfile
```

STEP 8:

Opening a file named jenkinsfile in the Nano text editor for editing.

```
selya11@LAPTOP-0R6BSQFD:~/dev-day6$ git add Jenkinsfile
selya11@LAPTOP-0R6BSQFD:~/dev-day6$ git commit -m "commit"
[main 66f3f71] commit
 2 files changed, 132 insertions(+)
 create mode 100644 Jenkinsfile
 create mode 100644 jenkinsfile
```

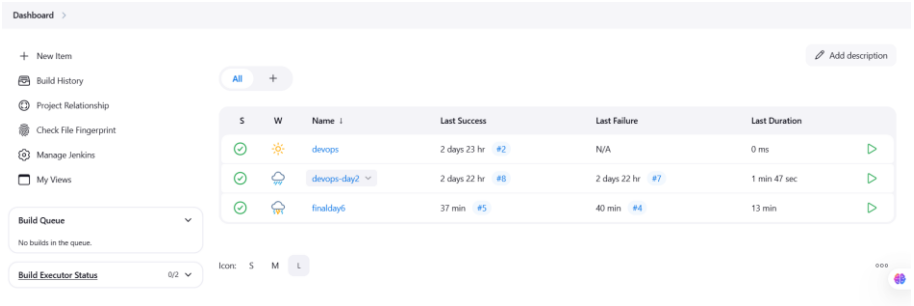
STEP 9:

Pushing the latest changes, including the jenkinsfile, to the remote GitHub repository's main branch.

```
selya11@LAPTOP-0R6BSQFD:~/dev-day6$ git push origin main
Username for 'https://github.com': selya911
Password for 'https://selya911@github.com':
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 8 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 1.02 KiB | 521.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/selyavarsneem09/dev-day6.git
   e3d6182..66f3f71  main -> main
```

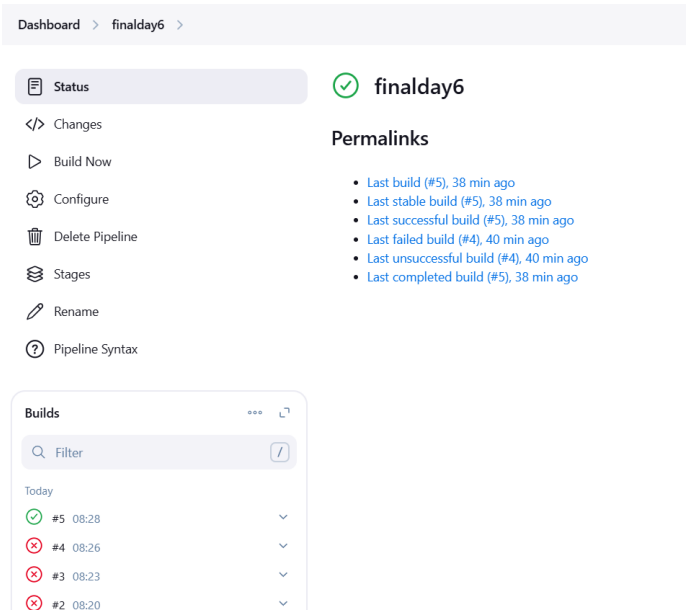
STEP 10:

Overview of the Jenkins dashboard, showing the status and history of various jobs, including their last success, last failure, and duration for builds.




STEP 11:

Details of the Jenkins pipeline for finalday6, showing the status of builds, including the last, stable, successful, failed, and completed builds with their timestamps.



STEP 12:

Console output from Jenkins for the finalday6 pipeline execution, showing details of the started process, the use of the Jenkinsfile from the GitHub repository, and the steps involved in checking out the code from the remote repository.