STEP 1:
Clone the remote repository to your local directory

```
selya2@MANOJ:~$ git clone https://github.com/selya911/newfinal.git
Cloning into 'newfinal'...
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:
Add the backend files and commit then using commit command

```
elya2@MANOJ:~/newfinal$ git add backend
elya2@MANOJ:~/newfinal$ git commit -m "commit"
uto packing the repository in background for optimum performance.
ee "git help gc" for manual housekeeping.
main 806bd56] commit
6877 files changed, 1226120 insertions(+)
create mode 100644 backend/Dockerfile
create mode 100644 backend/docker-compose.yml
create mode 100644 backend/dockerfile
create mode 100644 backend/main.py
create mode 100644 backend/products.csv
create mode 100644 backend/requirements.txt
create mode 100644 backend/venv/bin/Activate.ps1
create mode 100644 backend/venv/bin/activate
create mode 100644 backend/venv/bin/activate.csh
create mode 100644 backend/venv/bin/activate.fish
create mode 100755 backend/venv/bin/f2py
create mode 100755 backend/venv/bin/flask
create mode 100755 backend/venv/bin/numpy-config
create mode 100755 backend/venv/bin/pip
create mode 100755 backend/venv/bin/pip3
create mode 100755 backend/venv/bin/pip3.12
create mode 120000 backend/venv/bin/python
```

STEP 3:
Push the files to the repo using the git push command

```
selya2@MANOJ:~/newfinal$ git push origin main
Username for 'https://github.com': selya911
Password for 'https://selya911@github.com':
Enumerating objects: 6851, done.
Counting objects: 100% (6851/6851), done.
Delta compression using up to 8 threads
Compressing objects: 100% (6116/6116), done.
Writing objects: 100% (6850/6850), 47.13 MiB | 179.40 MiB/s, done.
Total 6850 (delta 690), reused 6850 (delta 690), pack-reused 0
error: RPC failed; HTTP 408 curl 22 The requested URL returned error: 408
send-pack: unexpected disconnect while reading sideband packet
fatal: the remote end hung up unexpectedly
Everything up-to-date
```

STEP 4:
Locate the frontend file, add them and commit them.

```
elya2@MANOJ:~/newfinal$ cp -r ~/ecom/finalday/frontend ~/newfinal
elya2@MANOJ:~/newfinal$ ls
EADME.md  backend  frontend
elya2@MANOJ:~/newfinal$ git add frontend
elya2@MANOJ:~/newfinal$ git commit -m "commit"
main 05d7aa5] commit
3 files changed, 28 insertions(+)
create mode 100644 frontend/DockerFile
create mode 100644 frontend/Dockerfile
create mode 100644 frontend/index.html
```

STEP 5:
Push the file using the git push command

```
selya2@MANOJ:~/newfinal$ git push origin main
Username for 'https://github.com': selya911
Password for 'https://selya911@github.com':
Enumerating objects: 6, done.
Counting objects: 100% (6/6), done.
Delta compression using up to 8 threads
Compressing objects: 100% (5/5), done.
Writing objects: 100% (5/5), 885 bytes | 885.00 KiB/s, done.
Total 5 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/selya911/newfinal.git
   806bd56..05d7aa5  main -> main
```
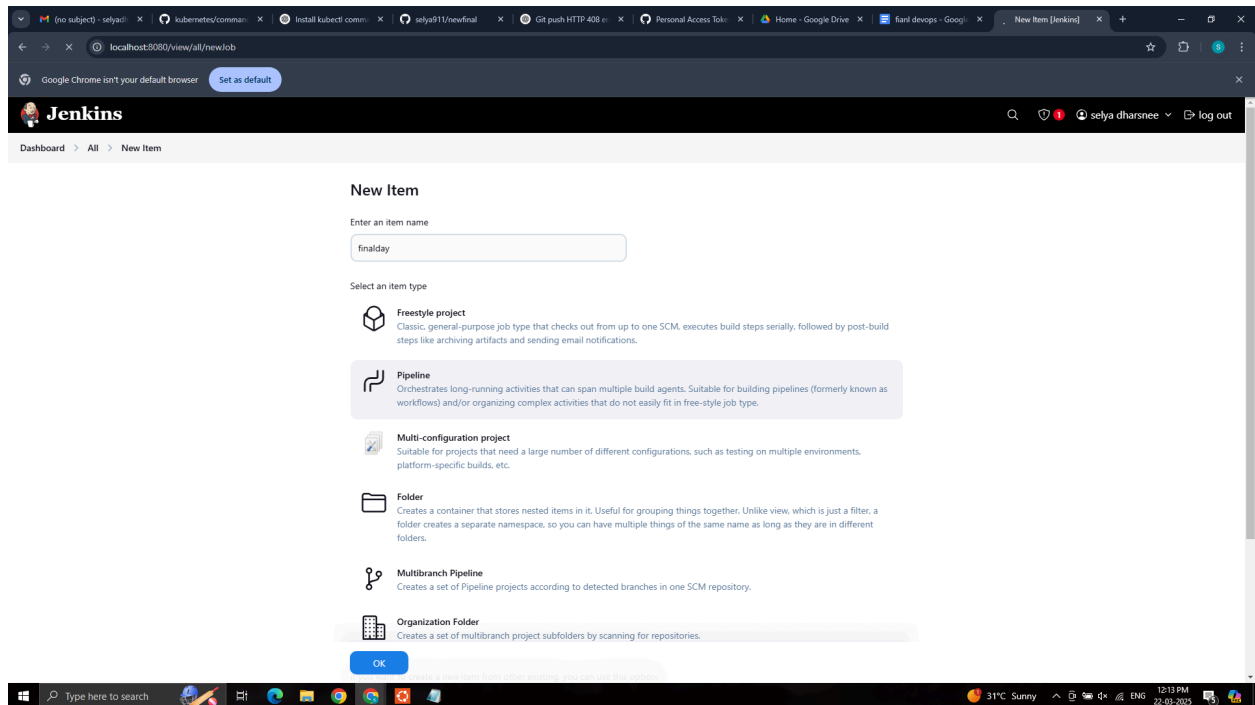
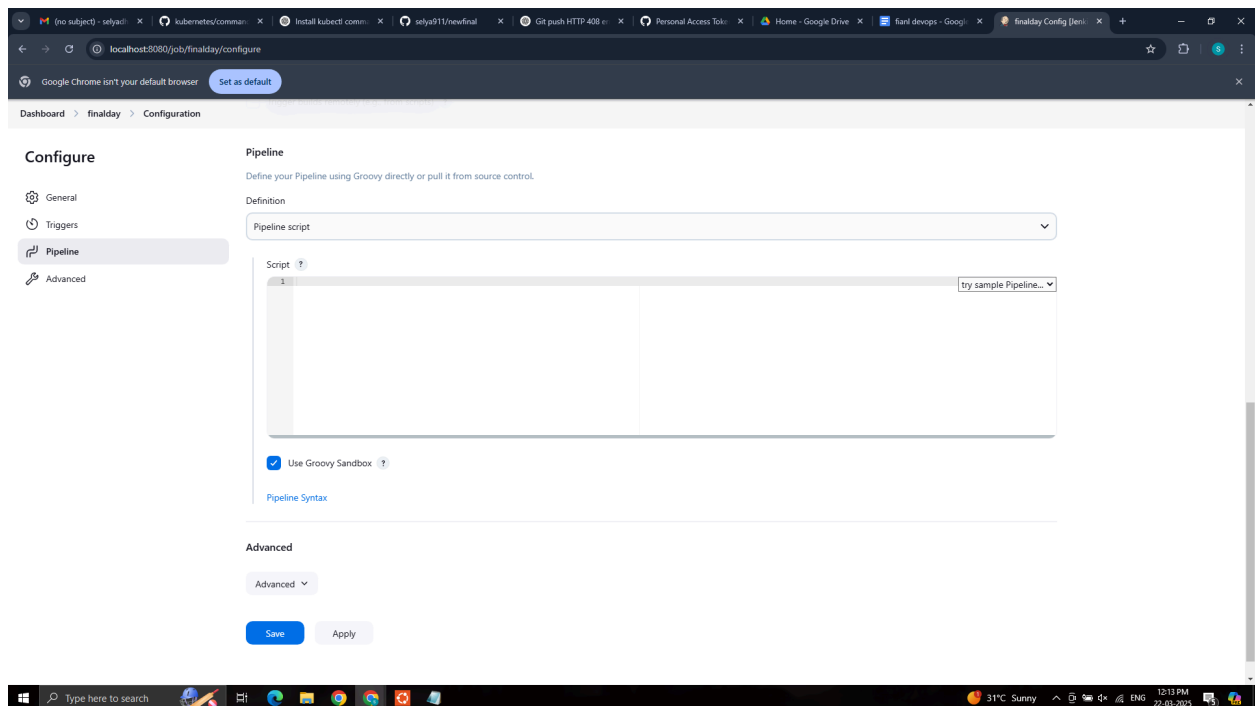STEP :6
Locate the k8s file and add them and commit them.

```
selya2@MANOJ:~/newfinal$ cp -r ~/ecom/finalday/k8s
selya2@MANOJ:~/newfinal$ ls
README.md  backend  frontend  k8s
selya2@MANOJ:~/newfinal$ git add k8s
selya2@MANOJ:~/newfinal$ git commit -m "commit"
[main 7a6ca95] commit
 7 files changed, 72 insertions(+)
 create mode 100644 k8s/backend-deployment.yaml
 create mode 100644 k8s/configmap.yaml
 create mode 100644 k8s/frontend-deployment.yaml
 create mode 100644 k8s/kubectl
 create mode 100644 k8s/minikube-linus-amd64
 create mode 100644 k8s/minikube-linux-amd64
 create mode 100644 k8s/service.yaml
```

STEP :7
Create a pipeline item in jenkins

STEP 8:

STEP 9:

STEP 10:

STEP 11:

Console Output

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```
Started by user selya varsnee muthusamy
Obtained Jenkinsfile from git https://github.com/selyavarsneem09/dev-day6.git
[Pipeline] Start of Pipeline
[Pipeline] node
Running on Jenkins in /var/lib/jenkins/workspace/finalday6
[Pipeline] {
[Pipeline] stage
[Pipeline] { (Declarative: Checkout SCM)
[Pipeline] checkout
Selected Git installation does not exist. Using Default
The recommended git tool is: NONE
No credentials specified
 > git rev-parse --resolve-git-dir /var/lib/jenkins/workspace/finalday6/.git # timeout=10
Fetching changes from the remote Git repository
 > git config remote.origin.url https://github.com/selyavarsneem09/dev-day6.git # timeout=10
Fetching upstream changes from https://github.com/selyavarsneem09/dev-day6.git
 > git --version # timeout=10
 > git --version # 'git version 2.43.0'
 > git fetch --tags --force --progress -- https://github.com/selyavarsneem09/dev-day6.git +refs/heads/*:refs/remotes/origin/* # timeout=10
 > git rev-parse origin/main^{commit} # timeout=10
Checking out Revision 87aeff5fcc90b46b9031a4f715051e5fd2752d57 (origin/main)
 > git config core.sparsecheckout # timeout=10
 > git checkout -f 87aeff5fcc90b46b9031a4f715051e5fd2752d57 # timeout=10
```