

### 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

```
selya2@MANOJ:~/newfinal$ git add backend
selya2@MANOJ:~/newfinal$ git commit -m "commit"
Auto packing the repository in background for optimum performance.
See "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
```

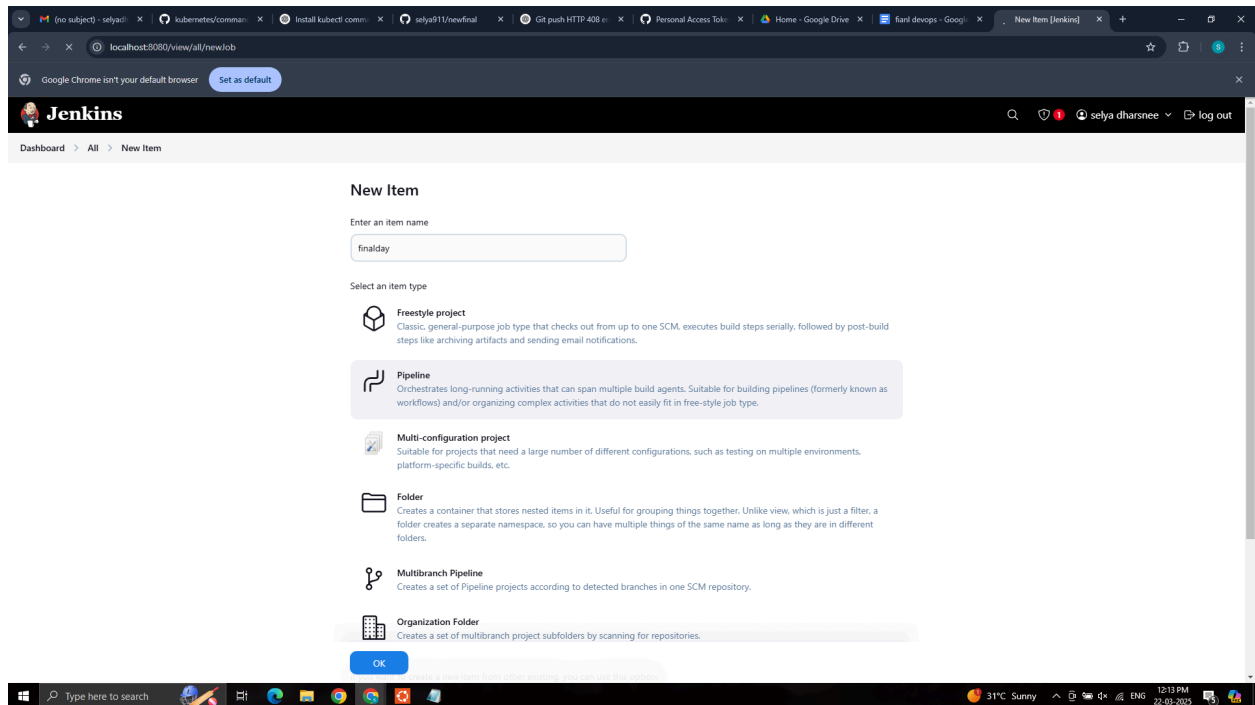
#### STEP :6

Locate the k8s file and add them and commit them.

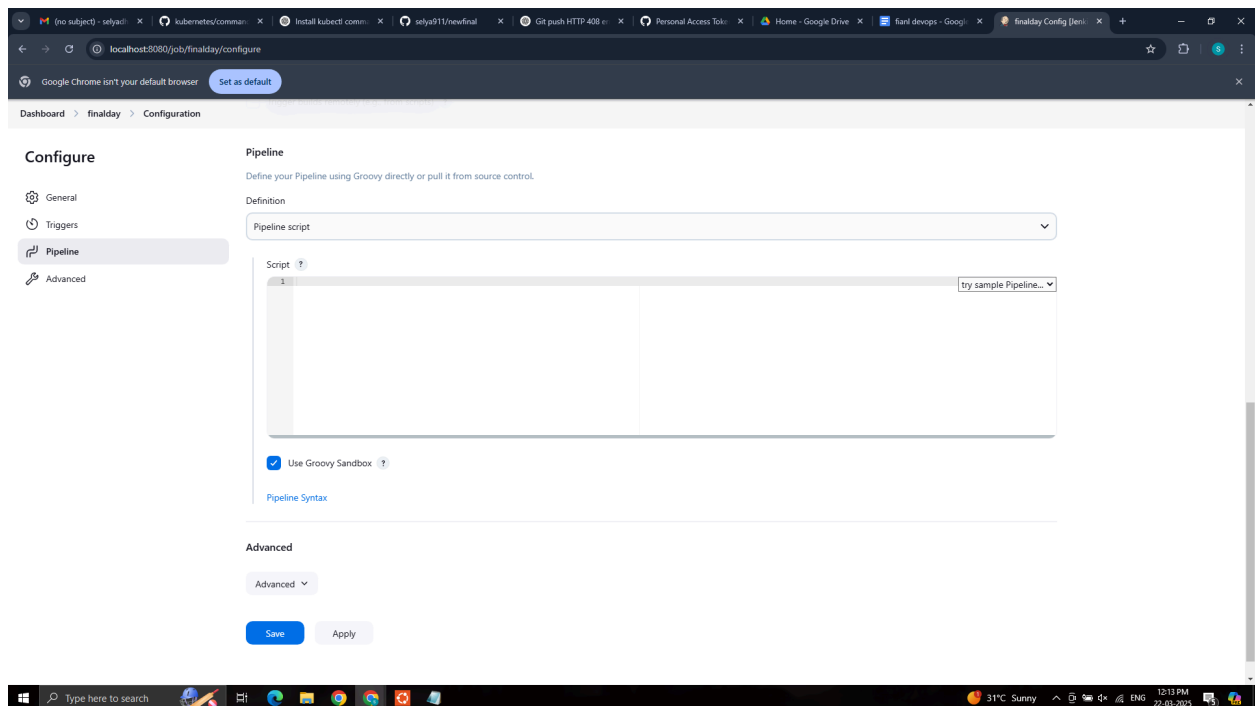
```
selya2@MANOJ:~/newfinal$ cp -r ~/ecom/finalday/k8s ~/newfinal
selya2@MANOJ:~/newfinal$ ls
README.md  backend  frontend  k8s
selya2@MANOJ:~/newfinal$ git add k8s
selya2@MANOJ:~/newfinal$ git commit -m "commit"
[main 7a6ca95] commit
7 files changed, 72 insertions(+)
create mode 100644 k8s/backend-deployment.yaml
create mode 100644 k8s/configmap.yaml
create mode 100644 k8s/frontend-deployment.yaml
create mode 100644 k8s/kubect1
create mode 100644 k8s/minikube-linux-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:

The screenshot shows the Jenkins 'Configure' page for a pipeline named 'finalday'. The 'Definition' section is set to 'Pipeline script from SCM'. The 'SCM' is configured as 'Git'. Under 'Repositories', a repository is added with the URL 'https://github.com/selya911/newfinal.git' and credentials set to 'none'. The 'Branches to build' section has a 'Branch Specifier (blank for 'any')' set to '\*/main'. The 'Save' button is highlighted.

Dashboard > finalday > Configuration

### Configure

- General
- Triggers
- Pipeline**
- Advanced

Definition

Pipeline script from SCM

SCM ?

Git ?

Repositories ?

Repository URL ?

https://github.com/selya911/newfinal.git

Credentials ?

- none -

+ Add

Advanced ▾

Add Repository

Branches to build ?

Branch Specifier (blank for 'any') ?

\*/main

Save Apply

## STEP 10:

The screenshot shows the Jenkins 'Overview' page for the 'finalday' pipeline. The left sidebar contains links for Status, Changes, Build Now, Configure, Delete Pipeline, Stages, Rename, and Pipeline Syntax. The main area shows the pipeline name 'finalday', a 'Permalinks' section, and a 'Builds' section indicating 'No builds'.

Dashboard > finalday

### Jenkins

REST API | Jenkins 2.492.2

finalday

Add description

Permalinks

Builds

No builds

## 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
```