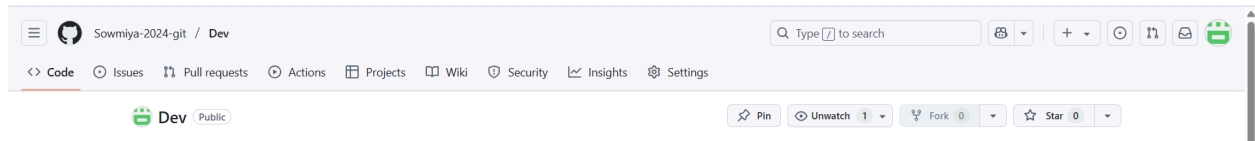


Step 1 : Create a new repository in the github



Step 2 : Move the **frontend**, **backend**, and **k8s** folders from the **kubernetes** directory to the **Dev** directory to organize project files.

```
sowmiya@LAPTOP-E2BCEK44:~$ cd kubernetes
sowmiya@LAPTOP-E2BCEK44:~/kubernetes$ mv frontend backend k8s ../Dev/
sowmiya@LAPTOP-E2BCEK44:~/kubernetes$ cd ../Dev
sowmiya@LAPTOP-E2BCEK44:~/Dev$ ls
README.md  backend  frontend  k8s
```

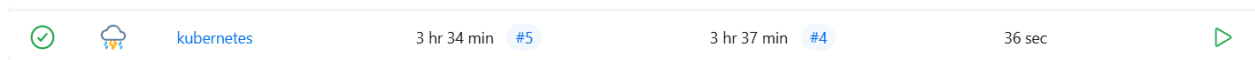
Step 3 : Initialized a Git repository in the **Dev** folder, added the **frontend**, **backend**, and **k8s** folders, committed the changes, and attempted to push to GitHub. Authentication failed due to password authentication being removed; using a personal access token (PAT) is required.

```
sowmiya@LAPTOP-E2BCEK44:~/Dev$ git init
Reinitialized existing Git repository in /home/sowmiya/Dev/.git/
sowmiya@LAPTOP-E2BCEK44:~/Dev$ git remote add origin https://github.com/Sowmiya-2024-git/Dev.git
error: remote origin already exists.
sowmiya@LAPTOP-E2BCEK44:~/Dev$ git add .
sowmiya@LAPTOP-E2BCEK44:~/Dev$ git commit -m "Added frontend, backend, and k8s folders"
[sowmiya@LAPTOP-E2BCEK44:~/Dev$ git push -u origin main
Username for 'https://github.com': Sowmiya-2024-git
Password for 'https://Sowmiya-2024-git@github.com':
Enumerating objects: 17, done.
Counting objects: 100% (17/17), done.
Delta compression using up to 12 threads
Compressing objects: 100% (15/15), done.
Writing objects: 100% (16/16), 2.35 KiB | 2.35 MiB/s, done.
Total 16 (delta 1), reused 0 (delta 0), pack-reused 0
To https://github.com/Sowmiya-2024-git/Dev.git
  77a25a5..3ebe6ab main -> main
branch 'main' set up to track 'origin/main'.
sowmiya@LAPTOP-E2BCEK44:~/Dev$ git push origin main
Username for 'https://github.com': Sowmiya-2024-git
Password for 'https://Sowmiya-2024-git@github.com':
remote: Support for password authentication was removed on August 13, 2021.
remote: Please see https://docs.github.com/get-started/getting-started-with-git/about-remote-repositories#cloning-with-https-urls for information on currently recommended modes of authentication.
fatal: Authentication failed for 'https://github.com/Sowmiya-2024-git/Dev.git/'
```


Step 4 : Initialized a Git repository in the **Dev** folder, created a **Jenkinsfile**, added it to the repository, committed the changes, and successfully pushed the commit to the remote GitHub repository.

```
sowmiya@LAPTOP-E2BCEK44:~/Dev$ nano Jenkinsfile
sowmiya@LAPTOP-E2BCEK44:~/Dev$ git init
Reinitialized existing Git repository in /home/sowmiya/Dev/.git/
sowmiya@LAPTOP-E2BCEK44:~/Dev$ git add .
sowmiya@LAPTOP-E2BCEK44:~/Dev$ git add Jenkinsfile
sowmiya@LAPTOP-E2BCEK44:~/Dev$ git commit -m "initial commit"
[main 1028f89] initial commit
1 file changed, 66 insertions(+)
create mode 100644 Jenkinsfile
sowmiya@LAPTOP-E2BCEK44:~/Dev$ git push origin main
Username for 'https://github.com': Sowmiya-2024-git
Password for 'https://Sowmiya-2024-git@github.com':
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 12 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 962 bytes | 962.00 KiB/s, done.
Total 3 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To https://github.com/Sowmiya-2024-git/Dev.git
3ebe6ab..1028f89  main -> main
```

Step 5 : Create a new pipeline item in the jenkins



Step 6 : The Jenkins dashboard displays the status of the "kubernetes" pipeline. The latest build (#5) was successful, while previous builds (#1 to #4) failed. The status section confirms that the last stable and successful build was #5, completed 3 hours and 37 minutes ago.

 **Jenkins**

Dashboard > kubernetes >

Status

</> Changes

▶ Build Now

⚙️ Configure

🗑️ Delete Pipeline

📖 Stages

✎ Rename

❓ Pipeline Syntax

✓ kubernetes

Permalinks

- [Last build \(#5\), 3 hr 37 min ago](#)
- [Last stable build \(#5\), 3 hr 37 min ago](#)
- [Last successful build \(#5\), 3 hr 37 min ago](#)
- [Last failed build \(#4\), 3 hr 39 min ago](#)
- [Last unsuccessful build \(#4\), 3 hr 39 min ago](#)
- [Last completed build \(#5\), 3 hr 37 min ago](#)

Builds

⋮

↗

🔍 Filter

📄

Today

✓ #5 04:47

✗ #4 04:45

✗ #3 04:31

✗ #2 04:30

✗ #1 04:30

⋮

localhost:8080