

## Prac-05

### Working on the GitHub Container Registry (GHCR) building image in docker to the GitHub

```
Terminal
PS C:\Users\narut> mkdir ghcr-demo

Directory: C:\Users\narut

Mode                LastWriteTime         Length Name
----                -
d-----          19-02-2026   12:31             ghcr-demo

PS C:\Users\narut> cd ghcr-demo
PS C:\Users\narut\ghcr-demo> notepad dockerfile
PS C:\Users\narut\ghcr-demo> notepad index.html
```

**Step1:** create a directory

**Step2:** Get inside the directory

**Step3:** Make a index.html file and a docker file

```
PS C:\Users\narut\ghcr-demo> ren dockerfile.txt dockerfile
PS C:\Users\narut\ghcr-demo> docker build -t ghcr.io/ashika07734/ghcr-demo .
[+] Building 15.1s (8/8) FINISHED
=> [internal] load build definition from dockerfile                                0.0s
=> => transferring dockerfile: 109B                                              0.0s
=> [internal] load metadata for docker.io/library/nginx:alpine                  2.2s
=> [auth] library/nginx:pull token for registry-1.docker.io                     0.0s
=> [internal] load .dockerignore                                                 0.0s
=> => transferring context: 2B                                                    0.0s
=> [internal] load build context                                                 0.0s
=> => transferring context: 31B                                                  0.0s
=> [1/2] FROM docker.io/library/nginx:alpine@sha256:1d13701a5f9f3fb01aaa88cef2344d65b6b5b6b7d9fa4cf0dca557a8d7702ba 12.3s
```

**Step4:** rename the dockerfile.txt to docker

**Step5:** build the image using your GitHub username

```
Terminal
PS C:\Users\narut\ghcr-demo> docker login ghcr.io
Username: Ashika07734
Password:


Login Succeeded
PS C:\Users\narut\ghcr-demo> docker push ghcr.io/ashika07734/ghcr-demo
Using default tag: latest
The push refers to repository [ghcr.io/ashika07734/ghcr-demo]
955a8478f9ac: Waiting
b7d3769a4786: Waiting
b0f129737eac: Waiting
```

**Step6:** login using the GitHub username and pat (password access token) as password

**Step7:** push the package to the GitHub and verify

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1 package

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Terminal

```
PS C:\Users\narut\ghcr-demo> docker rmi ghcr.io/ashika07734/ghcr-demo:latest
Untagged: ghcr.io/ashika07734/ghcr-demo:latest
Deleted: sha256:25d6eacf3081e270b11a03286b8a2eac4c051f09bb737784b030e8056f0dc1ba
PS C:\Users\narut\ghcr-demo> docker pull ghcr.io/ashika07734/ghcr-demo:latest
latest: Pulling from ashika07734/ghcr-demo
b0f129737eac: Pull complete
b7d3769a4786: Download complete
Digest: sha256:25d6eacf3081e270b11a03286b8a2eac4c051f09bb737784b030e8056f0dc1ba
Status: Downloaded newer image for ghcr.io/ashika07734/ghcr-demo:latest
ghcr.io/ashika07734/ghcr-demo:latest
PS C:\Users\narut\ghcr-demo>
```

**Step8:** remove the image locally

**Step9:** pull the image from ghcr to local machine