

INT332

Create Folder

```
mkdir ghcr-demo
```

```
cd ghcr-demo
```

Create Dockerfile

Create file:

Dockerfile,

then follow one by one step

Build Docker Image

```
docker build -t ghcr.io/harikrishnamahato777/ghcr-demo .
```

Login to GHCR

keep your github repository name

keep password where Pat which u create generate token that one

Push Image to GHCR

```
docker push ghcr.io/harikrishnamahato777/ghcr-demo
```

Delete Local Image First

```
docker rmi ghcr.io/harikrishnamahato777/ghcr-demo
```

Pull Again from GHCR

```
pull ghcr.io/harikrishnamahato777/ghcr-demo
```

Run Container

```
docker run -p 8080:80 ghcr.io/harikrishnamahato777/ghcr-demo
```

Open browser:

<http://localhost:8080>

```
TERMINAL
```

PS C:\Users\harik> cd D:  
PS D:\> mkdir ghcr-demo

Directory: D:\

Mode	LastWriteTime	Length	Name
d----	21-02-2026 00:41		ghcr-demo

PS D:\> cd ghcr-demo  
PS D:\ghcr-demo> notepad index.html  
PS D:\ghcr-demo> notepad index.html  
PS D:\ghcr-demo> notepad dockerfile  
PS D:\ghcr-demo> ren dockerfile.txt dockerfile  
PS D:\ghcr-demo> dir

Directory: D:\ghcr-demo

Mode	LastWriteTime	Length	Name
-a---	21-02-2026 00:44	67	dockerfile
-a---	21-02-2026 00:43	176	index.html

PS D:\ghcr-demo>

PS D:\ghcr-demo> docker build -t ghcr.io/harikrishnamahato777/ghcr-demo .  
[+] Building 5.3s (8/8) FINISHED docker:desktop-linux  
=> [internal] load build definition from dockerfile 0.1s  
=> => transferring dockerfile: 104B 0.0s  
=> [internal] load metadata for docker.io/library/nginx:alpine 4.0s  
=> [auth] library/nginx:pull token for registry-1.docker.io 0.0s  
=> [internal] load .dockerignore 0.1s  
=> => transferring context: 2B 0.0s  
=> [internal] load build context 0.0s  
=> => transferring context: 215B 0.0s  
=> CACHED [1/2] FROM docker.io/library/nginx:alpine@sha256:1d13701a5f9f3fb01aaa88cef2344d65b6b5bf6b7d9fa4cf 0.1s  
=> => resolve docker.io/library/nginx:alpine@sha256:1d13701a5f9f3fb01aaa88cef2344d65b6b5bf6b7d9fa4cf0dca557 0.1s  
=> [2/2] COPY index.html /usr/share/nginx/html/index.html 0.1s  
=> exporting to image 0.8s  
=> => exporting layers 0.2s  
=> => exporting manifest sha256:ffc50149d97e428c59bcc836d241cf4fd150dcc4ed3b4feb7e72f723a470bd0fc 0.0s  
=> => exporting config sha256:f7dd66fa2ccab4810f84b15440a1b1e05cbac4c98b975e26a6bc5e813489e733 0.1s  
=> => exporting attestation manifest sha256:806b54ef33c0635b5b354d7e23b4d18dce68a268799937a63388170e3c7444f 0.1s  
=> => exporting manifest list sha256:186bff5c82ea1f4a3e55a379a1d32916a5ef50881f45e19929a8a029ed676634 0.0s  
=> => naming to ghcr.io/harikrishnamahato777/ghcr-demo:latest 0.0s  
=> => unpacking to ghcr.io/harikrishnamahato777/ghcr-demo:latest 0.1s

View build details: docker-desktop://dashboard/build/desktop-linux/desktop-linux/s5fdx8vyxm7rvggqlqrgzb0a32

PS D:\ghcr-demo> docker login ghcr.io  
Authenticating with existing credentials... [Username: harikrishnamahato777]

Info → To Login with a different account, run 'docker Logout' followed by 'docker Login'

Login Succeeded

PS D:\ghcr-demo>

PS D:\ghcr-demo> docker push ghcr.io/harikrishnamahato777/ghcr-demo  
Using default tag: latest  
The push refers to repository [ghcr.io/harikrishnamahato777/ghcr-demo]  
6b7b6c7061b7: Layer already exists  
955a8478f9ac: Layer already exists  
bca5d04786e1: Layer already exists  
589002ba0eae: Layer already exists  
3e2c181db1b0: Layer already exists  
399d0898a94e: Layer already exists  
6d397a54a185: Layer already exists  
5e7756927bef: Layer already exists  
b452bfdaa208: Pushed  
e73d70805215: Pushed  
latest: digest: sha256:186bff5c82ea1f4a3e55a379a1d32916a5ef50881f45e19929a8a029ed676634 size: 856

PS D:\ghcr-demo>

```

PS D:\ghcr-demo> ^C
PS D:\ghcr-demo> docker push ghcr.io/harikrishnamahato777/ghcr-demo
Using default tag: latest
The push refers to repository [ghcr.io/harikrishnamahato777/ghcr-demo]
6b7b6c7061b7: Layer already exists
955a8478f9ac: Layer already exists
bca5d04786e1: Layer already exists
589002ba0eae: Layer already exists
3e2c181db1b0: Layer already exists
399d0898a94e: Layer already exists
6d397a54a185: Layer already exists
5e7756927bef: Layer already exists
b452bfdcaa208: Pushed
e73d70805215: Pushed
latest: digest: sha256:186bfff5c82ea1f4a3e55a379a1d32916a5ef50881f45e19929a8a029ed676634 size: 856
PS D:\ghcr-demo> docker pull ghcr.io/harikrishnamahato777/ghcr-demo
Using default tag: latest
latest: Pulling from harikrishnamahato777/ghcr-demo
Digest: sha256:186bfff5c82ea1f4a3e55a379a1d32916a5ef50881f45e19929a8a029ed676634
Status: Image is up to date for ghcr.io/harikrishnamahato777/ghcr-demo:latest
ghcr.io/harikrishnamahato777/ghcr-demo:latest
PS D:\ghcr-demo> docker rmi ghcr.io/harikrishnamahato777/ghcr-demo
Untagged: ghcr.io/harikrishnamahato777/ghcr-demo:latest
Deleted: sha256:186bfff5c82ea1f4a3e55a379a1d32916a5ef50881f45e19929a8a029ed676634
PS D:\ghcr-demo> docker pull ghcr.io/harikrishnamahato777/ghcr-demo
Using default tag: latest
latest: Pulling from harikrishnamahato777/ghcr-demo
e73d70805215: Pull complete
b452bfdcaa208: Download complete
Digest: sha256:186bfff5c82ea1f4a3e55a379a1d32916a5ef50881f45e19929a8a029ed676634
Status: Downloaded newer image for ghcr.io/harikrishnamahato777/ghcr-demo:latest

```

```

PS D:\ghcr-demo> docker run -p 8080:80 ghcr.io/harikrishnamahato777/ghcr-demo
/docker-entrypoint.sh: Looking for shell scripts in /docker-entrypoint.d/
/docker-entrypoint.sh: Launching /docker-entrypoint.d/10-listen-on-ipv6-by-default.sh
10-listen-on-ipv6-by-default.sh: info: Getting the checksum of /etc/nginx/conf.d/default.conf
10-listen-on-ipv6-by-default.sh: info: Enabled listen on IPv6 in /etc/nginx/conf.d/default.conf
/docker-entrypoint.sh: Sourcing /docker-entrypoint.d/15-local-resolvers.envsh
/docker-entrypoint.sh: Launching /docker-entrypoint.d/20-envsubst-on-templates.sh
/docker-entrypoint.sh: Launching /docker-entrypoint.d/30-tune-worker-processes.sh
/docker-entrypoint.sh: Configuration complete; ready for start up
2026/02/20 19:23:26 [notice] 1#1: using the "epoll" event method
2026/02/20 19:23:26 [notice] 1#1: nginx/1.29.5
2026/02/20 19:23:26 [notice] 1#1: built by gcc 15.2.0 (Alpine 15.2.0)
2026/02/20 19:23:26 [notice] 1#1: OS: Linux 6.6.87.2-microsoft-standard-WSL2
2026/02/20 19:23:26 [notice] 1#1: getrlimit(RLIMIT_NOFILE): 1048576:1048576
2026/02/20 19:23:26 [notice] 1#1: start worker processes
2026/02/20 19:23:26 [notice] 1#1: start worker process 31
2026/02/20 19:23:26 [notice] 1#1: start worker process 32
2026/02/20 19:23:26 [notice] 1#1: start worker process 33
2026/02/20 19:23:26 [notice] 1#1: start worker process 34
2026/02/20 19:23:26 [notice] 1#1: start worker process 35
2026/02/20 19:23:26 [notice] 1#1: start worker process 36
2026/02/20 19:23:26 [notice] 1#1: start worker process 37
2026/02/20 19:23:26 [notice] 1#1: start worker process 38
2026/02/20 19:23:26 [notice] 1#1: start worker process 39
2026/02/20 19:23:26 [notice] 1#1: start worker process 40
2026/02/20 19:23:26 [notice] 1#1: start worker process 41
2026/02/20 19:23:26 [notice] 1#1: start worker process 42
172.17.0.1 - - [20/Feb/2026:19:23:57 +0000] "GET / HTTP/1.1" 200 176 "-" "Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/143.0.0.0 Safari/537.36" "-"
2026/02/20 19:23:57 [error] 31#31: *1 open() "/usr/share/nginx/html/favicon.ico" failed (2: No such file or directory), client: 172.17.0.1, server: localhost, request: "GET /favicon.ico HTTP/1.1", host: "localhost:8080", referrer: "http://localhost:8080"
172.17.0.1 - - [20/Feb/2026:19:23:57 +0000] "GET /favicon.ico HTTP/1.1" 404 555 "http://localhost:8080/" "Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/143.0.0.0 Safari/537.36" "-"

```

In Github Pacakage

The screenshot shows the GitHub Packages interface for the user 'harikrishnamahato777'. The top navigation bar includes links for Overview, Repositories (12), Projects, Packages (selected), and Stars. The main content area displays a circular profile picture of a blue cross on a white background. Below the profile picture, the user's name 'Hari Krishna Mahato' and GitHub handle 'harikrishnamahato777 · he/him' are shown. There is a button to 'Edit profile'. A search bar at the top allows searching for packages. The results section shows one package: 'ghcr-demo' (Private, Published 4 minutes ago by Hari Krishna Mahato). The package has 0 downloads. The interface also includes filters for Type: All, Visibility: All, and Sort by: Most downloads.

OutPut from <http://localhost:8080/>



Hello GHCR From Docker

I Have Created this for learning purpose.