Name- Ankita Chaudhari

Student ID- 500237991

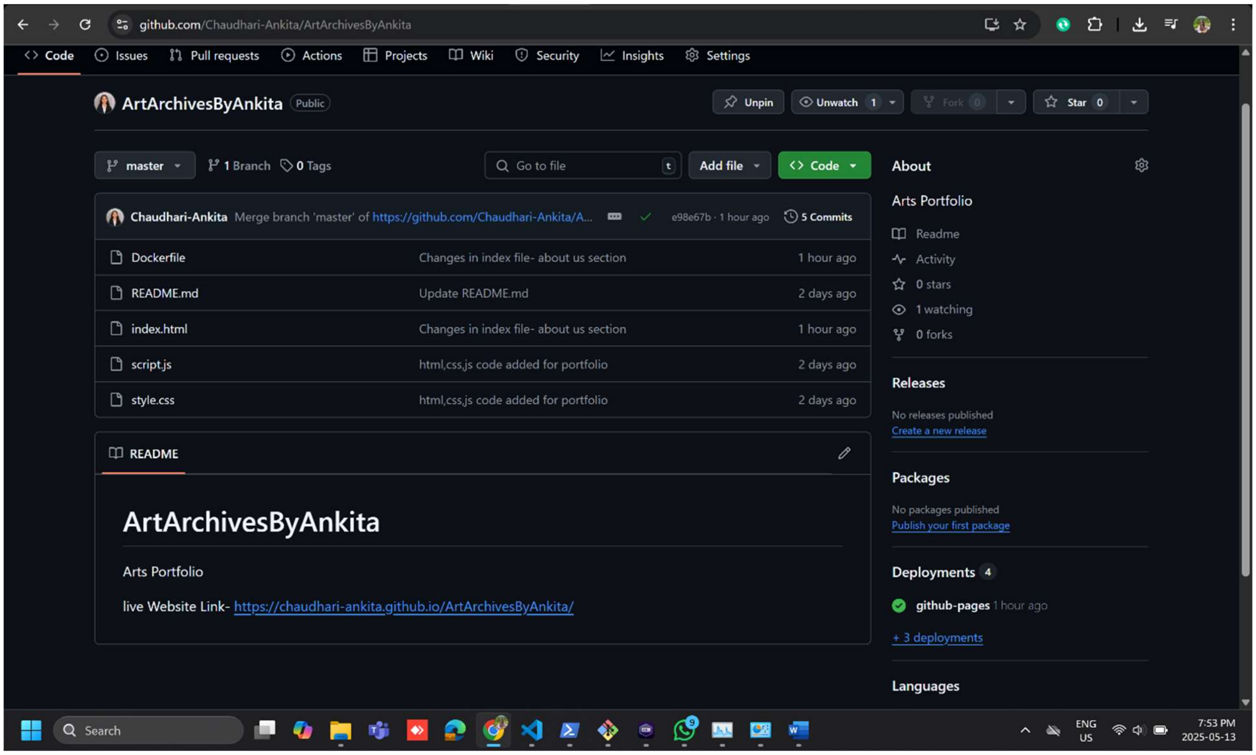
Assignment-

1. Make or download a freely available html, css, javascript application
2. install - Docker, Podman, Containerd (any 2)
3. containerize the application - Docker, Podman, Containerd (any 2)
4. Take Screenshots for each showing steps in detail and place it in screenshots folder (neatly in 2 folders - platform 1, platform2)
5. upload on github with a neat markdown file

Website Creation

1. Created a Public Repository on Github "**ArtArchivesByAnkita**" with ReadMe.md File.
2. Then cloned the repository on the local system using **git clone** command
3. Open git bash in the repository and using **touch** command created **index.html, style.css and script.js** files
4. Using HTML, CSS and JavaScript Created an Art Portfolio for my business Art Archives.
5. Pushed the changes on Github using the below commands-

- **git add .**
- **git commit -u "comment"**
- **git push -u origin master**



Chaudhari-Ankita Merge branch 'master' of https://github.com/Chaudhari-Ankita/A... e98e67b · 1 hour ago 5 Commits

Dockerfile	Changes in index file- about us section	1 hour ago
README.md	Update README.md	2 days ago
index.html	Changes in index file- about us section	1 hour ago
script.js	html,css,js code added for portfolio	2 days ago
style.css	html,css,js code added for portfolio	2 days ago

README

ArtArchivesByAnkita

Arts Portfolio

live Website Link- https://chaudhari-ankita.github.io/ArtArchivesByAnkita/

About

Arts Portfolio

Readme
Activity
0 stars
1 watching
0 forks

Releases

No releases published
Create a new release

Packages

No packages published
Publish your first package

Deployments 4

github-pages 1 hour ago

+ 3 deployments

Languages

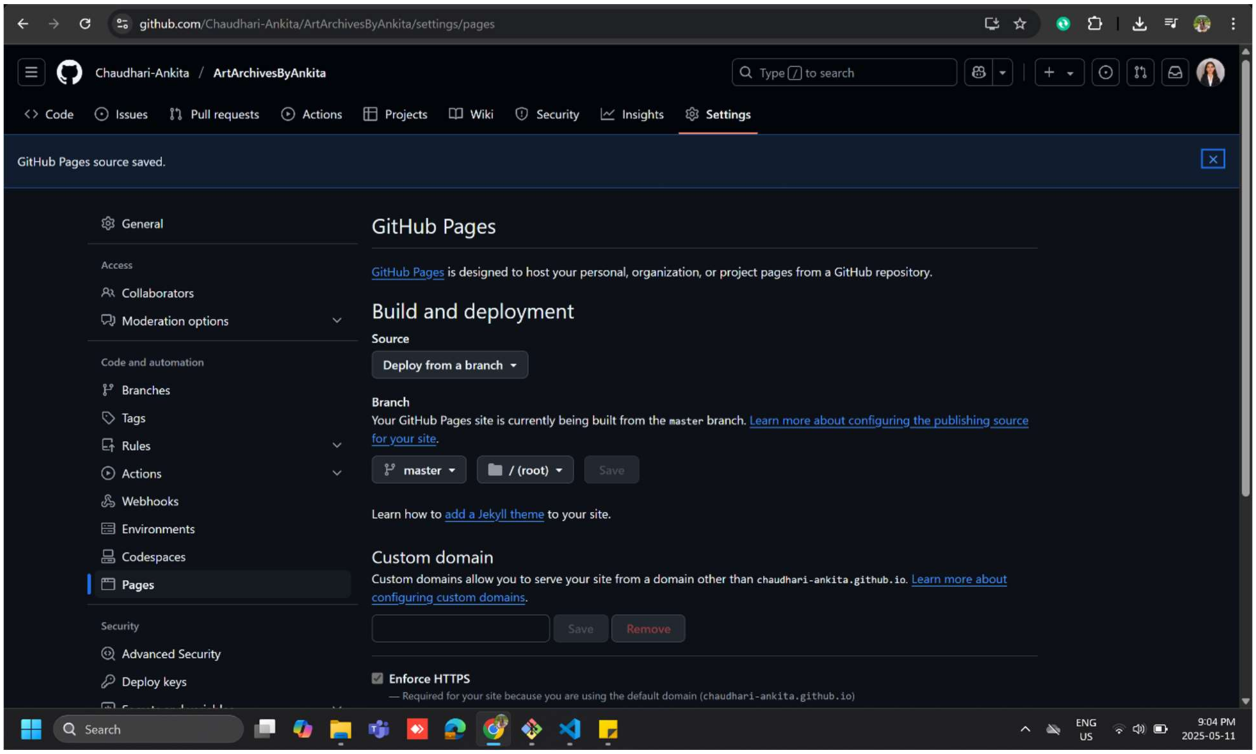
Then Additionally Published the portfolio using **Github Pages**

Github Pages

It is used to host personal, organization, or project pages from a GitHub repository.

Steps Followed-

1. Go the “ArtArchivesByAnkita” Repository.
2. Go to Settings.
3. Under Code and Automation-> go to Pages.
4. Under Build And Deployment
   - Select the source “Build from a Branch”
   - Branch “Master”
   - Folder “/(root)”
5. Click on Save



GitHub Pages source saved.

GitHub Pages

GitHub Pages is designed to host your personal, organization, or project pages from a GitHub repository.

Build and deployment

Source

Deploy from a branch

Branch

Your GitHub Pages site is currently being built from the `master` branch. Learn more about configuring the publishing source for your site.

master / (root) Save

Learn how to add a Jekyll theme to your site.

Custom domain

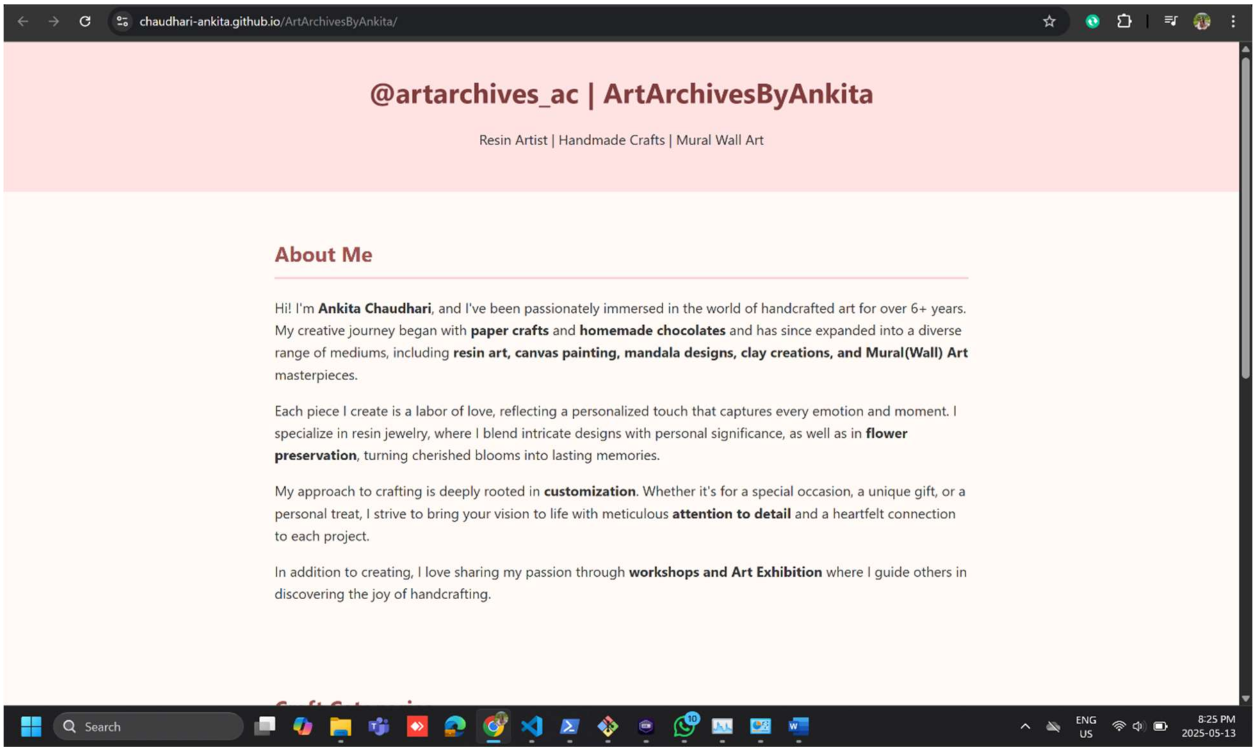
Custom domains allow you to serve your site from a domain other than `chaudhari-ankita.github.io`. Learn more about configuring custom domains.

Save Remove

☑ Enforce HTTPS

— Required for your site because you are using the default domain (`chaudhari-ankita.github.io`)

6. After refresh-> link is generated and the website is live now.
7. It can be accessed with “**https://chaudhari-ankita.github.io/ArtArchivesByAnkita/**” link.



@artarchives_ac | ArtArchivesByAnkita

Resin Artist | Handmade Crafts | Mural Wall Art

About Me

Hi! I'm **Ankita Chaudhari**, and I've been passionately immersed in the world of handcrafted art for over 6+ years. My creative journey began with **paper crafts** and **homemade chocolates** and has since expanded into a diverse range of mediums, including **resin art, canvas painting, mandala designs, clay creations, and Mural(Wall) Art** masterpieces.

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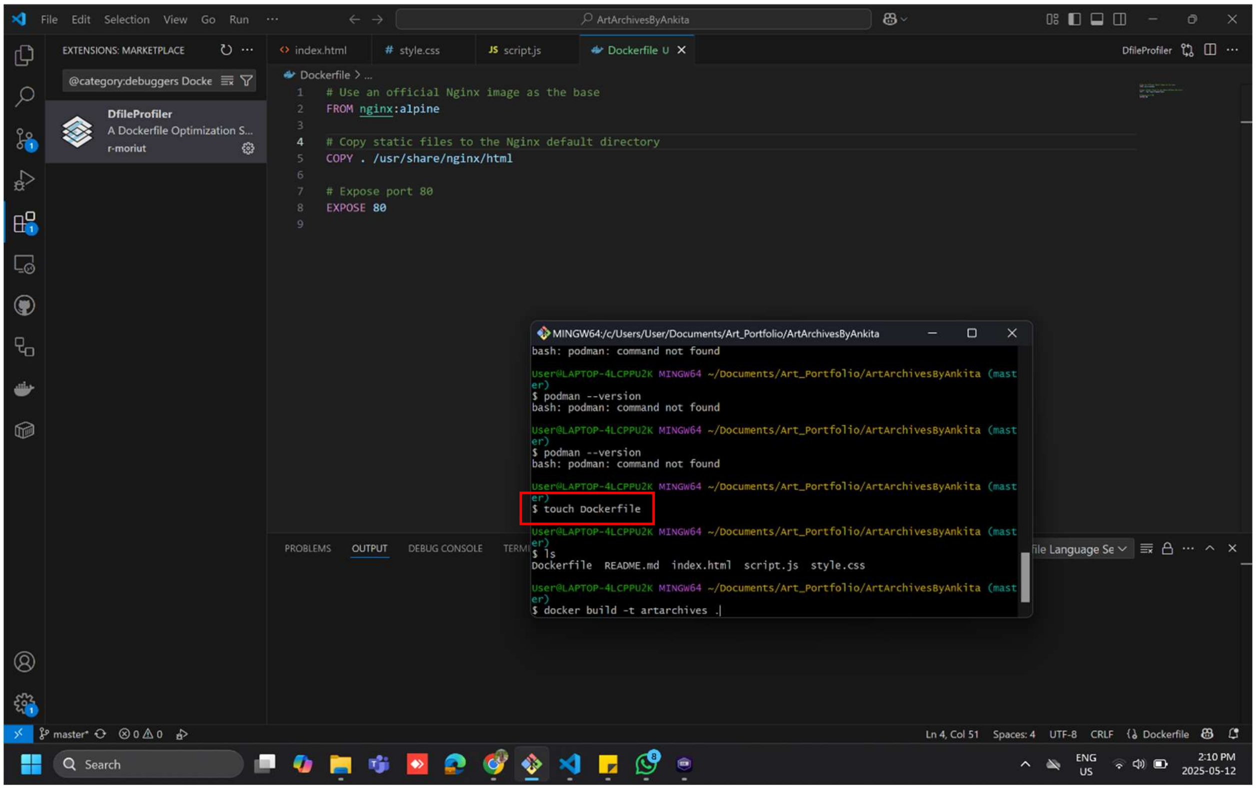
My approach to crafting is deeply rooted in **customization**. Whether it's for a special occasion, a unique gift, or a personal treat, I strive to bring your vision to life with meticulous **attention to detail** and a heartfelt connection to each project.

In addition to creating, I love sharing my passion through **workshops and Art Exhibition** where I guide others in discovering the joy of handcrafting.

Docker File Creation-

1. Installed docker extension for vs code
2. Created a “**Dockerfile**” using **touch** command on git bash

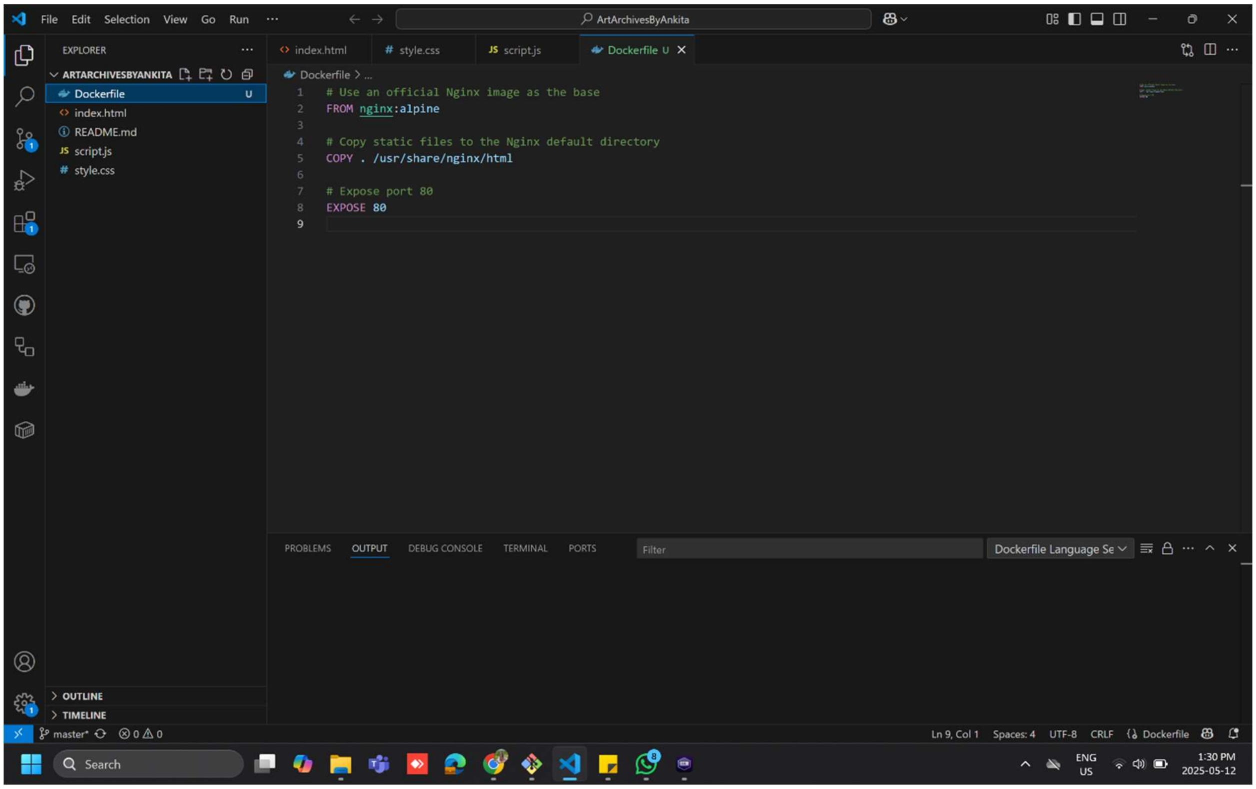


```
# Use an official Nginx image as the base
FROM nginx:alpine

# Copy static files to the Nginx default directory
COPY . /usr/share/nginx/html

# Expose port 80
EXPOSE 80
```

MINGW64:/c/Users/User/Documents/Art_Portfolio/ArtArchivesByAnkita

```
bash: podman: command not found

User@LAPTOP-4LCPPU2K MINGW64 ~/Documents/Art_Portfolio/ArtArchivesByAnkita (mast
er)
$ podman --version
bash: podman: command not found

User@LAPTOP-4LCPPU2K MINGW64 ~/Documents/Art_Portfolio/ArtArchivesByAnkita (mast
er)
$ podman --version
bash: podman: command not found

User@LAPTOP-4LCPPU2K MINGW64 ~/Documents/Art_Portfolio/ArtArchivesByAnkita (mast
er)
$ touch Dockerfile

User@LAPTOP-4LCPPU2K MINGW64 ~/Documents/Art_Portfolio/ArtArchivesByAnkita (mast
er)
$ ls
Dockerfile  README.md  index.html  script.js  style.css

User@LAPTOP-4LCPPU2K MINGW64 ~/Documents/Art_Portfolio/ArtArchivesByAnkita (mast
er)
$ docker build -t artarchives .
```

3. Used port 80 to access the application locally.



```
# Use an official Nginx image as the base
FROM nginx:alpine

# Copy static files to the Nginx default directory
COPY . /usr/share/nginx/html

# Expose port 80
EXPOSE 80
```

4. Pushed the changes to github.

Platform 1- Podman

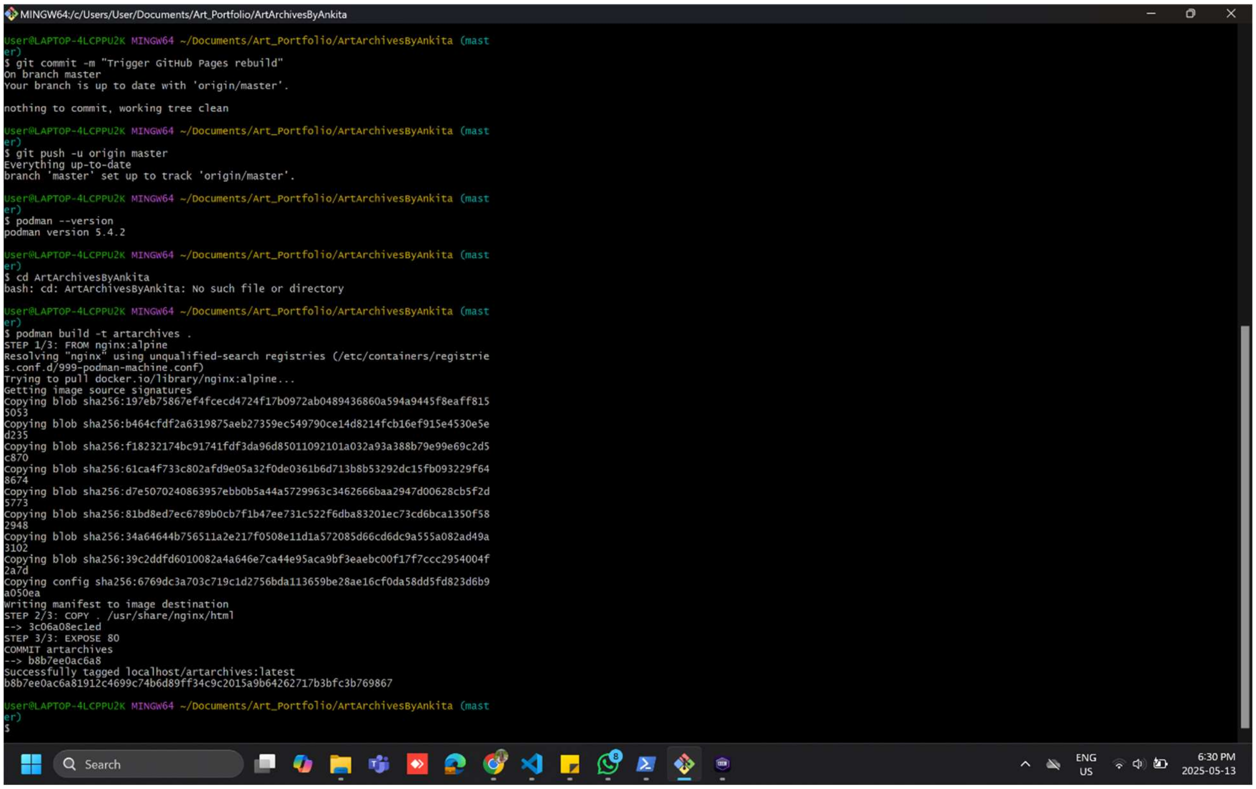
1. Installed Podman on the system
2. Using command **podman --version** checked if podman is installed successfully with the latest version.
3. Open git bash in your repository folder on system.
4. Run the below commands-
   - **cd ArtArchivesByAnkita**
   - **podman build -t artarchives .**
   - **podman run -d -p 8081:80 artarchives**

-t : Tags the image with name- artarchives

-p 8081:80 : port mapping

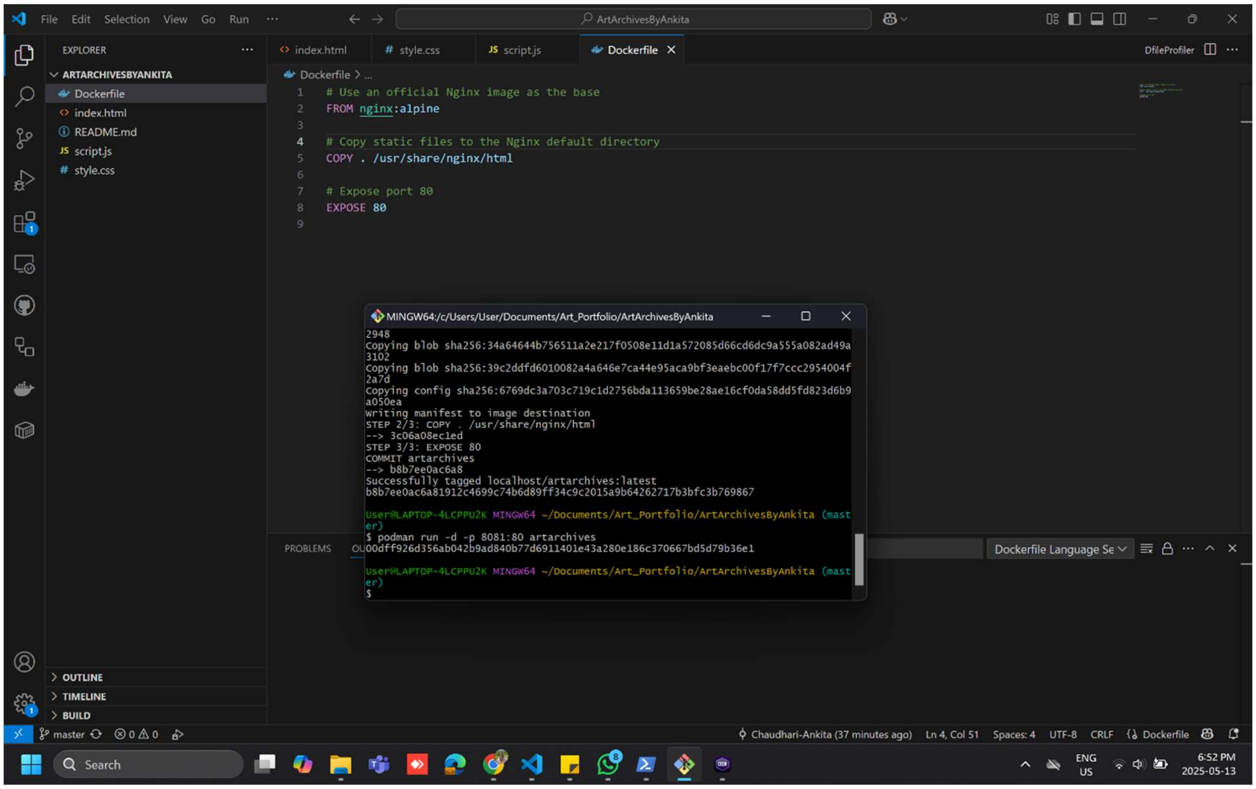
8081- host machine port

80- container port



MINGW64:/c/Users/User/Documents/Art_Portfolio/ArtArchivesByAnkita

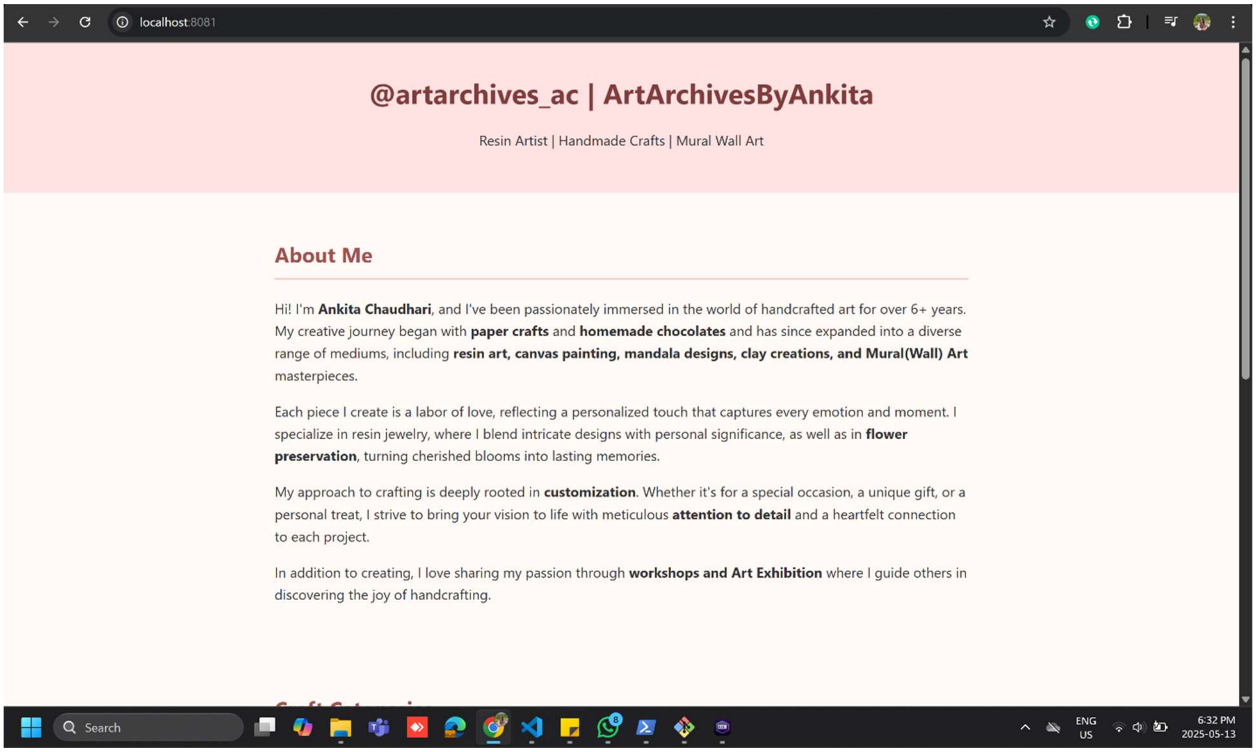
```
User@LAPTOP-4LCPPU2K MINGW64 ~/Documents/Art_Portfolio/ArtArchivesByAnkita (mast
er)
$ git commit -m "Trigger GitHub Pages rebuild"
On branch master
Your branch is up to date with 'origin/master'.

nothing to commit, working tree clean

User@LAPTOP-4LCPPU2K MINGW64 ~/Documents/Art_Portfolio/ArtArchivesByAnkita (mast
er)
$ git push -u origin master
Everything up-to-date
branch 'master' set up to track 'origin/master'.

User@LAPTOP-4LCPPU2K MINGW64 ~/Documents/Art_Portfolio/ArtArchivesByAnkita (mast
er)
$ podman --version
podman version 5.4.2

User@LAPTOP-4LCPPU2K MINGW64 ~/Documents/Art_Portfolio/ArtArchivesByAnkita (mast
er)
$ cd ArtArchivesByAnkita
bash: cd: ArtArchivesByAnkita: No such file or directory

User@LAPTOP-4LCPPU2K MINGW64 ~/Documents/Art_Portfolio/ArtArchivesByAnkita (mast
er)
$ podman build -t artarchives .
STEP 1/3: FROM nginx:alpine
Resolving "nginx" using unqualified-search registries (/etc/containers/registrie
s.conf.d/999-podman-machine.conf)
Trying to pull docker.io/library/nginx:alpine...
Getting image source signatures
Copying blob sha256:197eb75867ef4fcecd4724f17b0972ab0489436860a594a9445f8eaff815
5053
Copying blob sha256:b464cfdf2a6319875aeb27359ec549790ce14d8214fcb16ef915e4530e5e
d235
Copying blob sha256:f18232174bc91741fdf3da96d85011092101a032a93a388b79e99e69c2d5
c870
Copying blob sha256:61ca4f733c802afd9e05a32f0de0361b6d713b8b53292dc15fb093229f64
8674
Copying blob sha256:d7e5070240863957ebb0b5a44a5729963c3462666baa2947d00628cb5f2d
5773
Copying blob sha256:81bd8ed7ec6789b0cb7f1b47ee731c522f6dba83201ec73cd6bca1350f58
2948
Copying blob sha256:34a64644b756511a2e217f0508e11d1a572085d66cd6dc9a555a082ad49a
3102
Copying blob sha256:39c2ddfd6010082a4a646e7ca44e95aca9bf3eaebc00f17f7ccc2954004f
2a7d
Copying config sha256:6769dc3a703c719c1d2756bda113659be28ae16cf0da58dd5fd823d6b9
a050ea
Writing manifest to image destination
STEP 2/3: COPY . /usr/share/nginx/html
--> 3c06a08ec1ed
STEP 3/3: EXPOSE 80
COMMIT artarchives
--> b8b7ee0ac6a8
Successfully tagged localhost/artarchives:latest
b8b7ee0ac6a81912c4699c74b6d89ff34c9c2015a9b64262717b3bfc3b769867

User@LAPTOP-4LCPPU2K MINGW64 ~/Documents/Art_Portfolio/ArtArchivesByAnkita (mast
er)
$
```



```
# Use an official Nginx image as the base
FROM nginx:alpine

# Copy static files to the Nginx default directory
COPY . /usr/share/nginx/html

# Expose port 80
EXPOSE 80
```

```
2948
Copying blob sha256:34a64644b756511a2e217f0508e11d1a572085d66cd6dc9a555a082ad49a
3102
Copying blob sha256:39c2ddfd6010082a4a646e7ca44e95aca9bf3eaebc00f17f7ccc2954004f
2a7d
Copying config sha256:6769dc3a703c719c1d2756bda113659be28ae16cf0da58dd5fd823d6b9
a050ea
Writing manifest to image destination
STEP 2/3: COPY . /usr/share/nginx/html
--> 3c06a08ec1ed
STEP 3/3: EXPOSE 80
COMMIT artarchives
--> b8b7ee0ac6a8
Successfully tagged localhost/artarchives:latest
b8b7ee0ac6a81912c4699c74b6d89ff34c9c2015a9b64262717b3bfc3b769867

User@LAPTOP-4LCPPU2K MINGW64 ~/Documents/Art_Portfolio/ArtArchivesByAnkita (mast
er)
$ podman run -d -p 8081:80 artarchives
00dff926d356ab042b9ad840b77d6911401e43a280e186c370667bd5d79b36e1

User@LAPTOP-4LCPPU2K MINGW64 ~/Documents/Art_Portfolio/ArtArchivesByAnkita (mast
er)
$
```

5. Now go to browser and hit the link - http://localhost:8081



@artarchives_ac | ArtArchivesByAnkita

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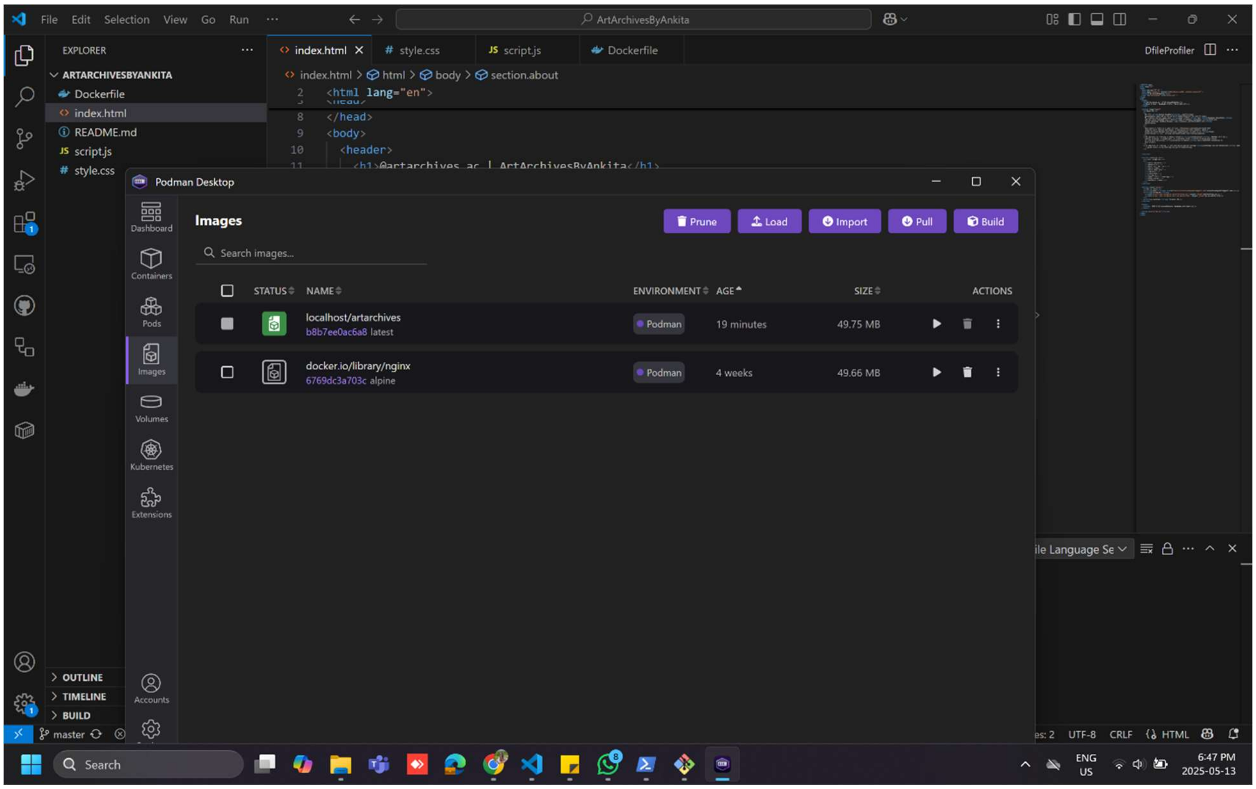
In addition to creating, I love sharing my passion through **workshops and Art Exhibition** where I guide others in discovering the joy of handcrafting.

6. This will launch the application in a container and can be accessed the site locally.



```
<html lang="en">
</head>
<body>
  <header>
    <h1>@artarchives_ac | ArtArchivesByAnkita</h1>
```

Images

☐	STATUS	NAME	ENVIRONMENT	AGE	SIZE	ACTIONS
☐		localhost/artarchives b8b7ee0ac6a8 latest	Podman	19 minutes	49.75 MB	
☐		docker.io/library/nginx 6769dc3a703c alpine	Podman	4 weeks	49.66 MB	

7. Image created on Podman Desktop.

Platform 2- Docker

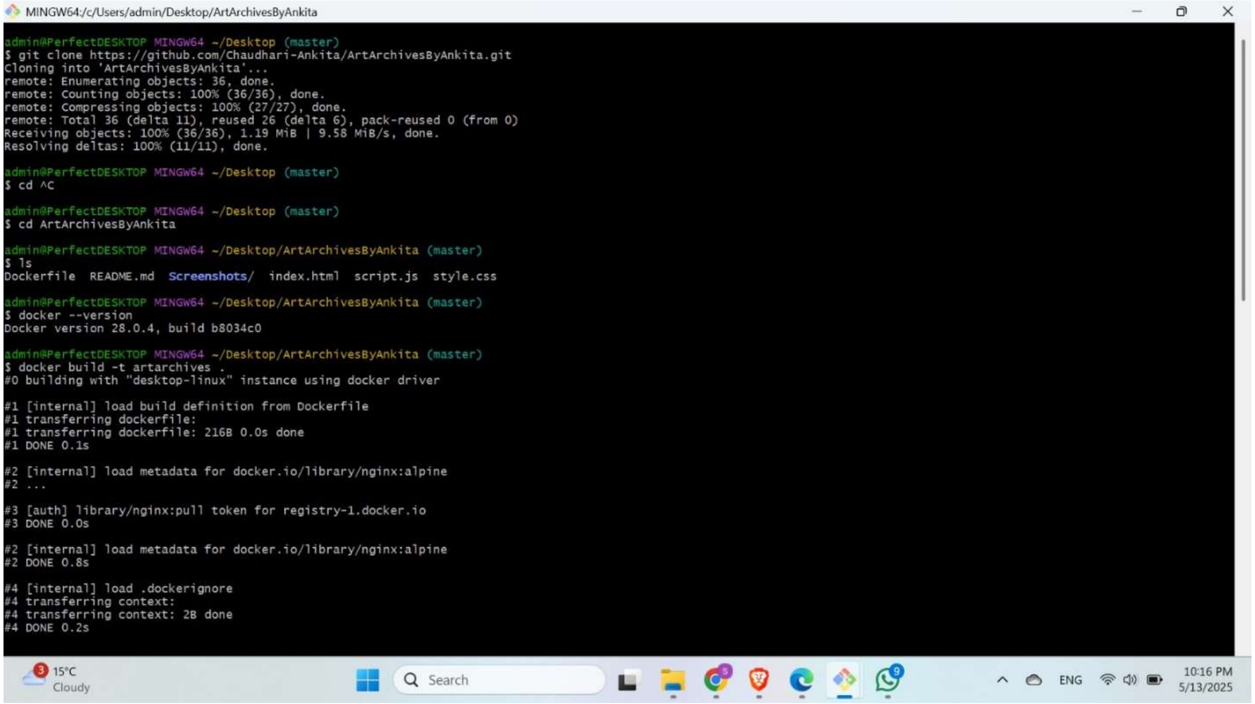
1. Installed Docker on the system
2. Using command **docker --version** checked if podman is installed successfully with the latest version.
3. Open git bash in your repository folder on system.
4. Run the below commands-
   - **cd ArtArchivesByAnkita**
   - **docker build -t artarchives .**
   - **docker run -d -p 8082:80 artarchives**

-t : Tags the image with name- artarchives

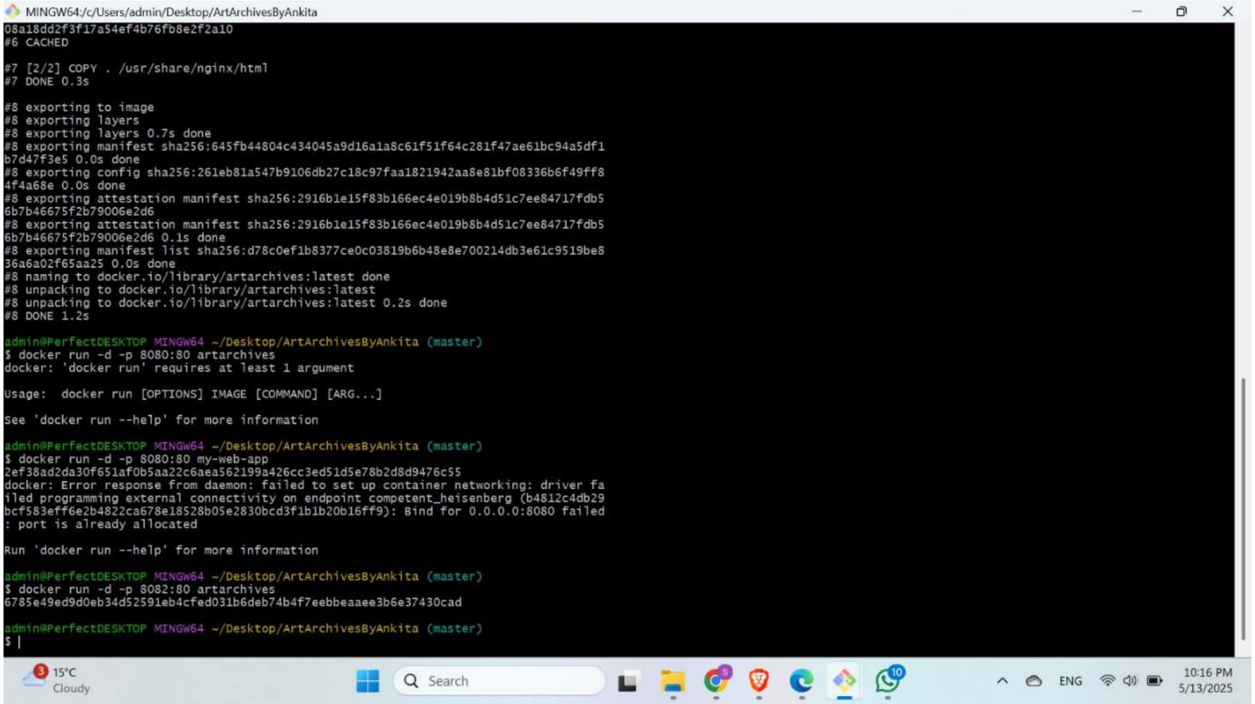
-p 8082:80 : port mapping

8082- host machine port

80- Container port

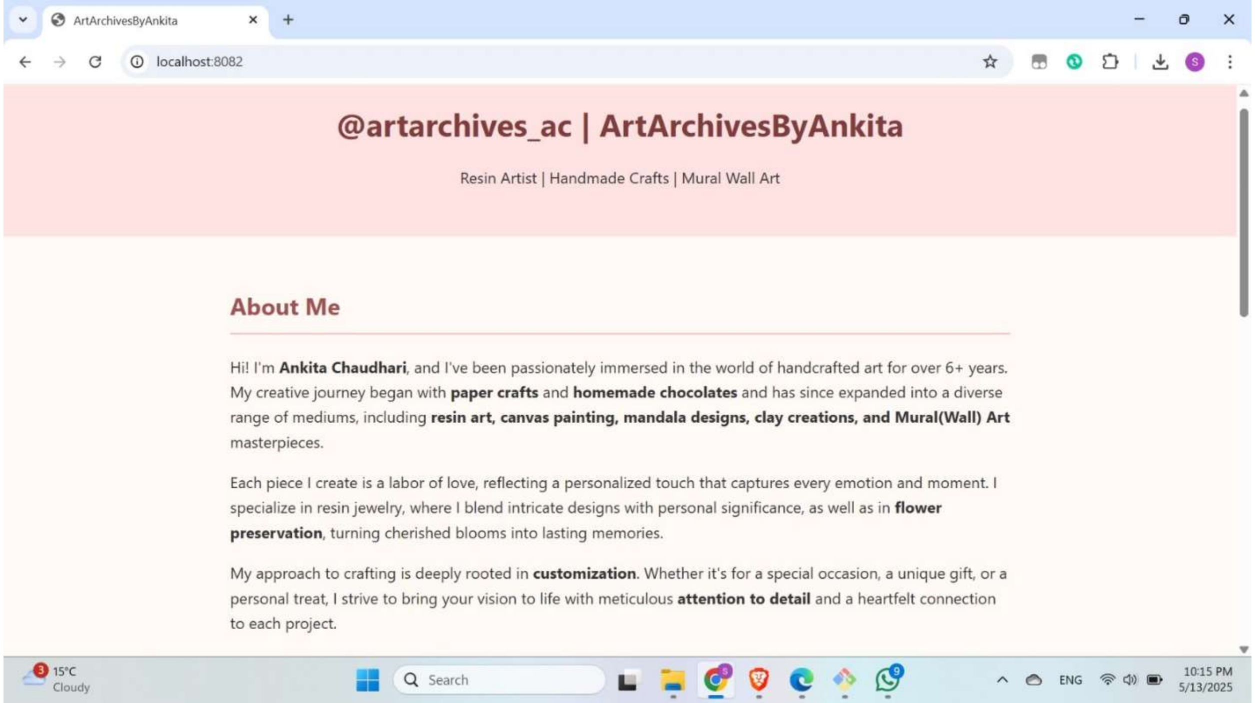


```
admin@PerfectDESKTOP MINGW64 ~/Desktop (master)
$ git clone https://github.com/Chaudhari-Ankita/ArtArchivesByAnkita.git
Cloning into 'ArtArchivesByAnkita'...
remote: Enumerating objects: 36, done.
remote: Counting objects: 100% (36/36), done.
remote: Compressing objects: 100% (27/27), done.
remote: Total 36 (delta 11), reused 26 (delta 6), pack-reused 0 (from 0)
Receiving objects: 100% (36/36), 1.19 MiB | 9.58 MiB/s, done.
Resolving deltas: 100% (11/11), done.

admin@PerfectDESKTOP MINGW64 ~/Desktop (master)
$ cd ^C

admin@PerfectDESKTOP MINGW64 ~/Desktop (master)
$ cd ArtArchivesByAnkita

admin@PerfectDESKTOP MINGW64 ~/Desktop/ArtArchivesByAnkita (master)
$ ls
Dockerfile  README.md  Screenshots/  index.html  script.js  style.css

admin@PerfectDESKTOP MINGW64 ~/Desktop/ArtArchivesByAnkita (master)
$ docker --version
Docker version 28.0.4, build b8034c0

admin@PerfectDESKTOP MINGW64 ~/Desktop/ArtArchivesByAnkita (master)
$ docker build -t artarchives .
#0 building with "desktop-linux" instance using docker driver

#1 [internal] load build definition from Dockerfile
#1 transferring dockerfile:
#1 transferring dockerfile: 216B 0.0s done
#1 DONE 0.1s

#2 [internal] load metadata for docker.io/library/nginx:alpine
#2 ...

#3 [auth] library/nginx:pull token for registry-1.docker.io
#3 DONE 0.0s

#2 [internal] load metadata for docker.io/library/nginx:alpine
#2 DONE 0.8s

#4 [internal] load .dockerignore
#4 transferring context:
#4 transferring context: 2B done
#4 DONE 0.2s
```



```
08a18dd2f3f17a54ef4b76fb8e2f2a10
#6 CACHED

#7 [2/2] COPY . /usr/share/nginx/html
#7 DONE 0.3s

#8 exporting to image
#8 exporting layers
#8 exporting layers 0.7s done
#8 exporting manifest sha256:645fb44804c434045a9d16a1a8c61f51f64c281f47ae61bc94a5df1
b7d47f3e5 0.0s done
#8 exporting config sha256:261eb81a547b9106db27c18c97faa1821942aa8e81bf08336b6f49ff8
4f4a68e 0.0s done
#8 exporting attestation manifest sha256:2916b1e15f83b166ec4e019b8b4d51c7ee84717fdb5
6b7b46675f2b79006e2d6
#8 exporting attestation manifest sha256:2916b1e15f83b166ec4e019b8b4d51c7ee84717fdb5
6b7b46675f2b79006e2d6 0.1s done
#8 exporting manifest list sha256:d78c0ef1b8377ce0c03819b6b48e8e700214db3e61c9519be8
36a6a02f65aa25 0.0s done
#8 naming to docker.io/library/artarchives:latest done
#8 unpacking to docker.io/library/artarchives:latest
#8 unpacking to docker.io/library/artarchives:latest 0.2s done
#8 DONE 1.2s

admin@PerfectDESKTOP MINGW64 ~/Desktop/ArtArchivesByAnkita (master)
$ docker run -d -p 8080:80 artarchives
docker: 'docker run' requires at least 1 argument

Usage:  docker run [OPTIONS] IMAGE [COMMAND] [ARG...]

See 'docker run --help' for more information

admin@PerfectDESKTOP MINGW64 ~/Desktop/ArtArchivesByAnkita (master)
$ docker run -d -p 8080:80 my-web-app
2ef38ad2da30f651af0b5aa22c6aea562199a426cc3ed51d5e78b2d8d9476c55
docker: Error response from daemon: failed to set up container networking: driver fa
iled programming external connectivity on endpoint competent_heisenberg (b4812c4db29
bcf583eff6e2b4822ca678e18528b05e2830bcd3f1b1b20b16ff9): Bind for 0.0.0.0:8080 failed
: port is already allocated

Run 'docker run --help' for more information

admin@PerfectDESKTOP MINGW64 ~/Desktop/ArtArchivesByAnkita (master)
$ docker run -d -p 8082:80 artarchives
6785e49ed9d0eb34d52591eb4cfed031b6deb74b4f7eebbeaaee3b6e37430cad

admin@PerfectDESKTOP MINGW64 ~/Desktop/ArtArchivesByAnkita (master)
$ |
```

5. Now go to browser and hit the link - http://localhost:8082



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