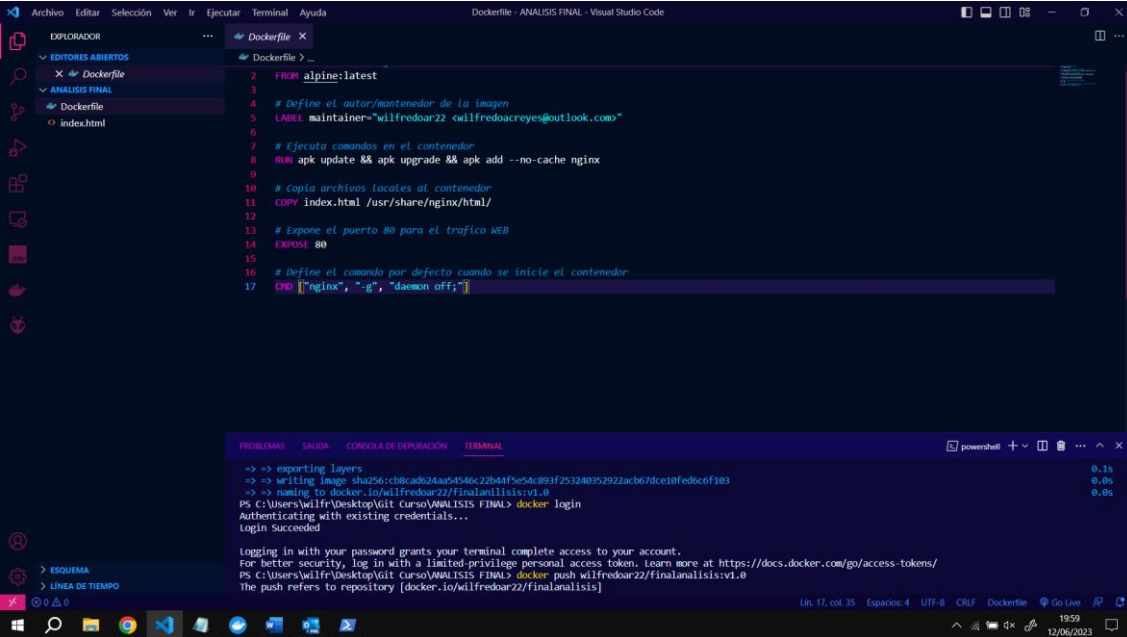


1. Primero Creamos el archivo Dockerfile e index.html

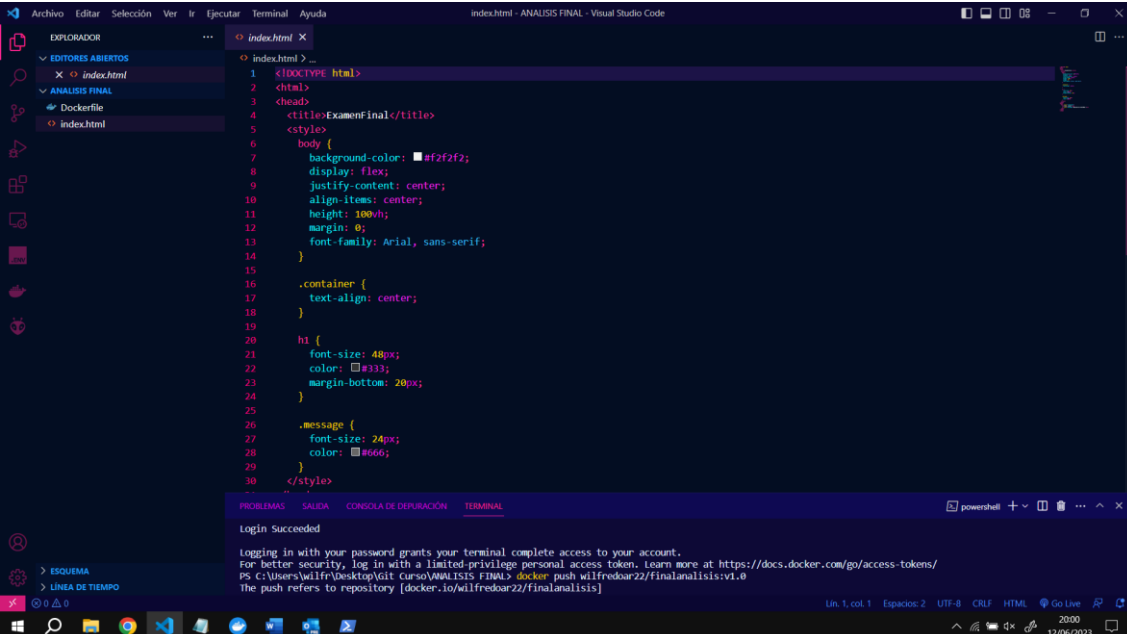


```
1 FROM alpine:latest
2
3 # Define el autor/mantenedor de la imagen
4 LABEL maintainer="wilfredoar22 <wilfredoar22@outlook.com>"
5
6 # Ejecuta comandos en el contenedor
7 RUN apk update && apk upgrade && apk add --no-cache nginx
8
9 # Copia archivos locales al contenedor
10 COPY index.html /usr/share/nginx/html/
11
12 # Expone el puerto 80 para el tráfico WEB
13 EXPOSE 80
14
15 # Define el comando por defecto cuando se inicie el contenedor
16 CMD ["nginx", "-g", "daemon off;"]
```

PROBLEMAS SALIDA CONSOLA DE DEPURACIÓN TERMINAL

```
=> => exporting layers
=> writing image sha256:cb8ad624aa54546c22b44f5e54c893f253240352922ac67dce18fed6cf183
=> naming to docker.io/wilfredoar22/finalanilisis:vi.0
PS C:\Users\wilfr\Desktop\Git CursoVMALISIS FINAL> docker login
Authenticating with existing credentials...
Login Succeeded

Logging in with your password grants your terminal complete access to your account.
For better security, log in with a limited-privilege personal access token. Learn more at https://docs.docker.com/go/access-tokens/
PS C:\Users\wilfr\Desktop\Git CursoVMALISIS FINAL> docker push wilfredoar22/finalanilisis:vi.0
The push refers to repository [docker.io/wilfredoar22/finalanilisis]
```



```
1 <!DOCTYPE html>
2 <html>
3 <head>
4 <title>ExamenFinal</title>
5 <style>
6   body {
7     background-color: #f2f2f2;
8     display: flex;
9     justify-content: center;
10    align-items: center;
11    height: 100vh;
12    margin: 0;
13    font-family: Arial, sans-serif;
14  }
15
16  .container {
17    text-align: center;
18  }
19
20  h1 {
21    font-size: 48px;
22    color: #333;
23    margin-bottom: 20px;
24  }
25
26  .message {
27    font-size: 24px;
28    color: #666;
29  }
30 </style>
```

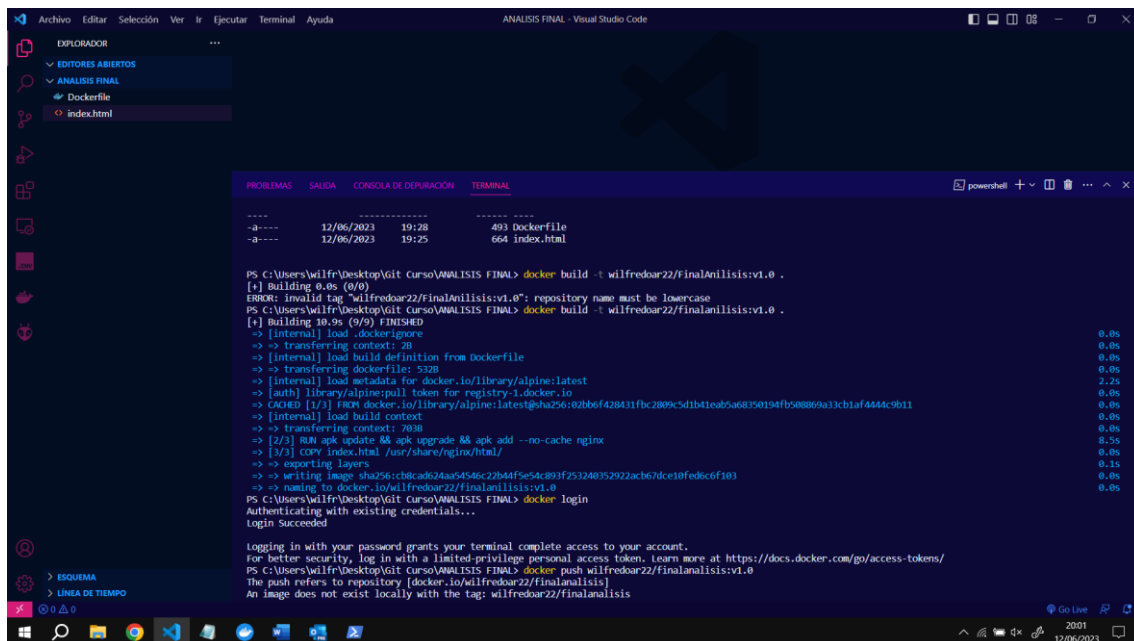
PROBLEMAS SALIDA CONSOLA DE DEPURACIÓN TERMINAL

```
Login Succeeded

Logging in with your password grants your terminal complete access to your account.
For better security, log in with a limited-privilege personal access token. Learn more at https://docs.docker.com/go/access-tokens/
PS C:\Users\wilfr\Desktop\Git CursoVMALISIS FINAL> docker push wilfredoar22/finalanilisis:vi.0
The push refers to repository [docker.io/wilfredoar22/finalanilisis]
```

2. Contenerizamos la aplicación

docker build -t wilfredoar22/finalanilisis:vi.0 .

A screenshot of the Visual Studio Code interface. The Explorer sidebar on the left shows a project named 'ANALISIS FINAL' with files 'Dockerfile' and 'index.html'. The main window displays a terminal with the output of a Docker build command. The build process starts with 'docker build -t wilfredoar22/finalanilisis:v1.0'. It shows the context being transferred, the Dockerfile being loaded, and the image being built in layers. The final output is 'docker.io/wilfredoar22/finalanilisis:v1.0'. The terminal also shows the 'docker login' command being executed successfully.

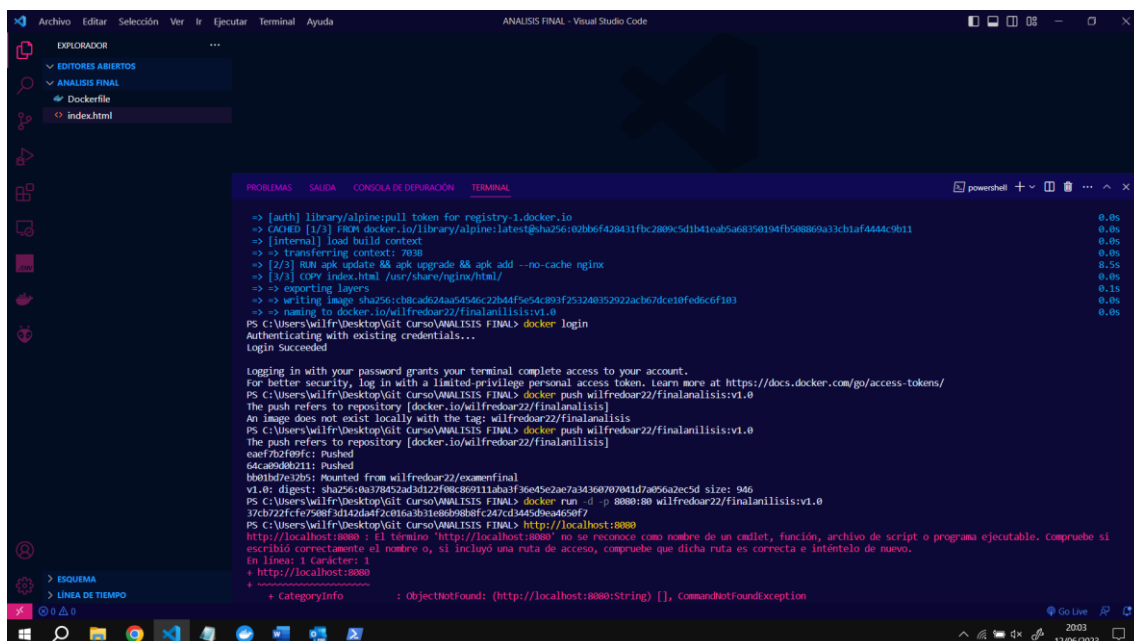
```
PS C:\Users\wilfr\Desktop\Git Curso\ANALISIS FINAL> docker build -t wilfredoar22/finalanilisis:v1.0 .
[+] Building 0.0s (0/0)
ERROR: Invalid tag "wilfredoar22/finalanilisis:v1.0": repository name must be lowercase
PS C:\Users\wilfr\Desktop\Git Curso\ANALISIS FINAL> docker build -t wilfredoar22/finalanilisis:v1.0 .
[+] Building 10.9s (9/9) FINISHED
=> [internal] load dockerignore
=> transferring context: 20B
=> [internal] load build definition from Dockerfile
=> transferring dockerfile: 532B
=> [internal] load metadata for docker.io/library/alpine:latest
=> [auth] library/alpine:pull token for registry-1.docker.io
=> CACHED [1/3] FROM docker.io/library/alpine:latest@sha256:02b6f428431fbc2809c5d1b41eab5a68350194f508869a33cb1af4444c9b11
=> [internal] load build context
=> transferring context: 703B
=> [2/3] RUN apk update && apk upgrade && apk add --no-cache nginx
=> [3/3] COPY index.html /usr/share/nginx/html/
=> exporting layers
=> writing image sha256:c8b2ad24aa54546c22b04f5e54c893f253240352922ac67dce10fedc6f103
=> naming to docker.io/wilfredoar22/finalanilisis:v1.0
PS C:\Users\wilfr\Desktop\Git Curso\ANALISIS FINAL> docker login
Authenticating with existing credentials...
Login Succeeded

Logging in with your password grants your terminal complete access to your account.
For better security, log in with a limited-privilege personal access token. Learn more at https://docs.docker.com/go/access-tokens/
PS C:\Users\wilfr\Desktop\Git Curso\ANALISIS FINAL> docker push wilfredoar22/finalanilisis:v1.0
The push refers to repository [docker.io/wilfredoar22/finalanilisis]
An image does not exist locally with the tag: wilfredoar22/finalanilisis
```

3. Subimos la imagen creada a Docker Hub

Primero iniciamos sesión con el comando: `docker login`

Subimos la imagen a Docker Hub: `docker push wilfredoar22/finalanilisis:v1.0`

A screenshot of the Visual Studio Code interface, showing the continuation of the Docker process. The terminal shows the 'docker login' command being executed successfully. Then, the 'docker push' command is run: 'docker push wilfredoar22/finalanilisis:v1.0'. The output shows the image being pushed to the Docker Hub repository 'docker.io/wilfredoar22/finalanilisis'. The push is successful, and the image is now available on Docker Hub. The terminal also shows the 'docker run' command being executed, which fails with an error: 'ObjectNotFound: (http://localhost:8080:String) [], CommandNotFoundException'.

```
PS C:\Users\wilfr\Desktop\Git Curso\ANALISIS FINAL> docker login
Authenticating with existing credentials...
Login Succeeded

Logging in with your password grants your terminal complete access to your account.
For better security, log in with a limited-privilege personal access token. Learn more at https://docs.docker.com/go/access-tokens/
PS C:\Users\wilfr\Desktop\Git Curso\ANALISIS FINAL> docker push wilfredoar22/finalanilisis:v1.0
The push refers to repository [docker.io/wilfredoar22/finalanilisis]
An image does not exist locally with the tag: wilfredoar22/finalanilisis
PS C:\Users\wilfr\Desktop\Git Curso\ANALISIS FINAL> docker push wilfredoar22/finalanilisis:v1.0
The push refers to repository [docker.io/wilfredoar22/finalanilisis]
eae72a2f09fc: Pushed
64ca9db0211: Pushed
bb01bd7e32b5: Mounted from wilfredoar22/examenfinal
v1.0: digest: sha256:04378a52ad5d122f80c809111aba736e7b20e7a34200707041d78956a20c5d size: 996
PS C:\Users\wilfr\Desktop\Git Curso\ANALISIS FINAL> docker run -p 8080:80 wilfredoar22/finalanilisis:v1.0
37cb22fcef7508f3d12daf2c016a3b1e08b98bfc247cd3445d9ea4650f7
PS C:\Users\wilfr\Desktop\Git Curso\ANALISIS FINAL> http://localhost:8080
http://localhost:8080 : El término 'http://localhost:8080' no se reconoce como nombre de un cmdlet, función, archivo de script o programa ejecutable. Compruebe si escribió correctamente el nombre o, si incluyó una ruta de acceso, compruebe que dicha ruta es correcta e inténtelo de nuevo.
En línea: 1 Carácter: 1
+ http://localhost:8080
+ ~~~~~
+ CategoryInfo          : ObjectNotFound: (http://localhost:8080:String) [], CommandNotFoundException
```

4. Realizamos los despliegues de la aplicación

`docker run -d -p 8080:80 wilfredoar22/finalanilisis:v1.0`

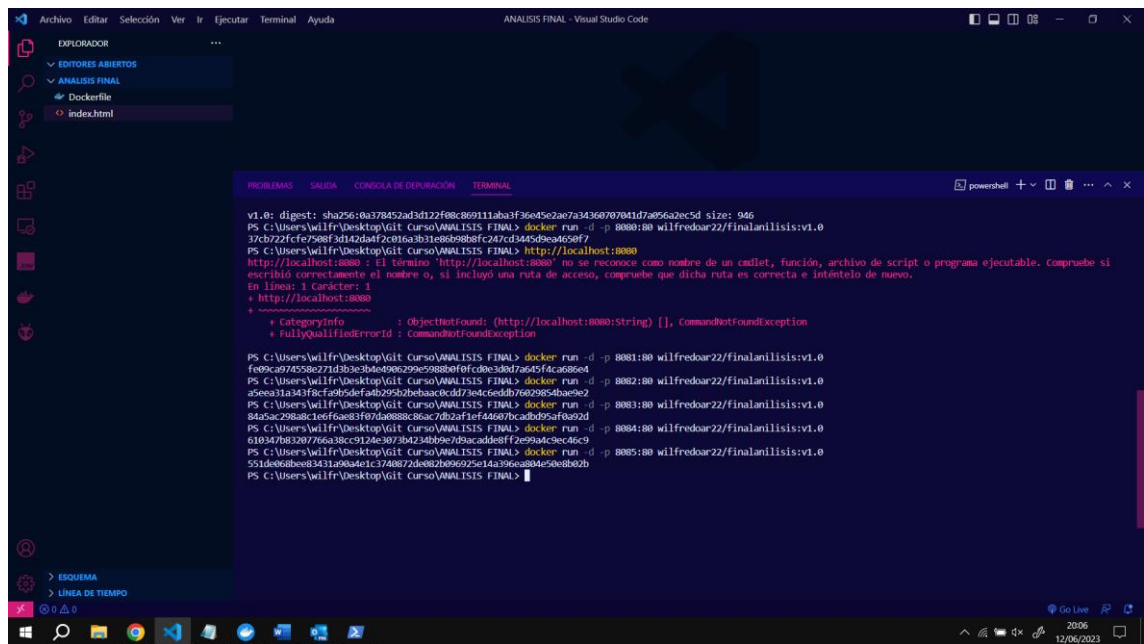
`docker run -d -p 8081:80 wilfredoar22/finalanilisis:v1.0`

`docker run -d -p 8082:80 wilfredoar22/finalanilisis:v1.0`

`docker run -d -p 8083:80 wilfredoar22/finalanilisis:v1.0`

`docker run -d -p 8084:80 wilfredoar22/finalanilisis:v1.0`

docker run -d -p 8085:80 wilfredoar22/finalanilisis:v1.0

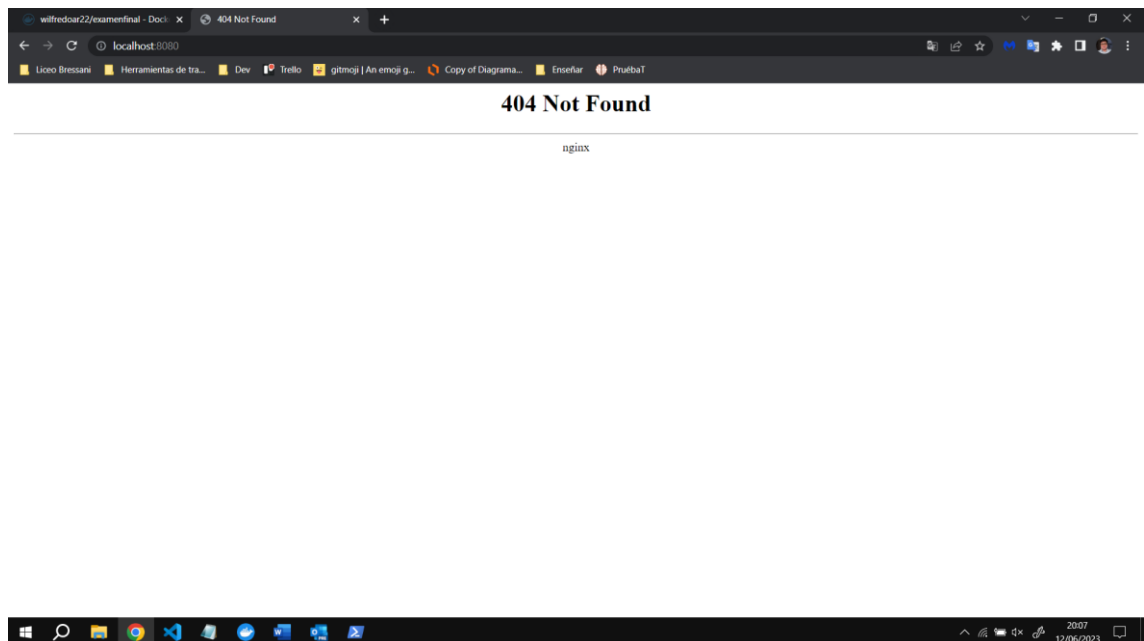


```
ANALISIS FINAL - Visual Studio Code
EXPLORADOR
  EDITORES ABIERTOS
    ANALISIS FINAL
      Dockerfile
      index.html
PROBLEMAS
  SALIDA
  CONSOLA DE DEPURACIÓN
  TERMINAL
  powershell
v1.0: digest: sha256:0a378452ad3d122f88c869111aba3f36e45e2ae7a343607041d7a056a2ec5d size: 946
PS C:\Users\wilfr\Desktop\Git Curso\ANALISIS FINAL> docker run -d -p 8080:80 wilfredoar22/finalanilisis:v1.0
37cb72f2cfe758f3d12da4f2c016a3b1e08988f247cd3445de0a659f7
PS C:\Users\wilfr\Desktop\Git Curso\ANALISIS FINAL> http://localhost:8080
http://localhost:8080 : El término 'http://localhost:8080' no se reconoce como nombre de un cmdlet, función, archivo de script o programa ejecutable. Compruebe si escribió correctamente el nombre o, si incluyó una ruta de acceso, compruebe que dicha ruta es correcta e intente de nuevo.
En línea: 1 Carácter: 1
+ http://localhost:8080
+ ~~~~~
+ CategoryInfo          : ObjectNotFound: (http://localhost:8080:String) [], CommandNotFoundException
+ FullyQualifiedErrorId : CommandNotFoundException

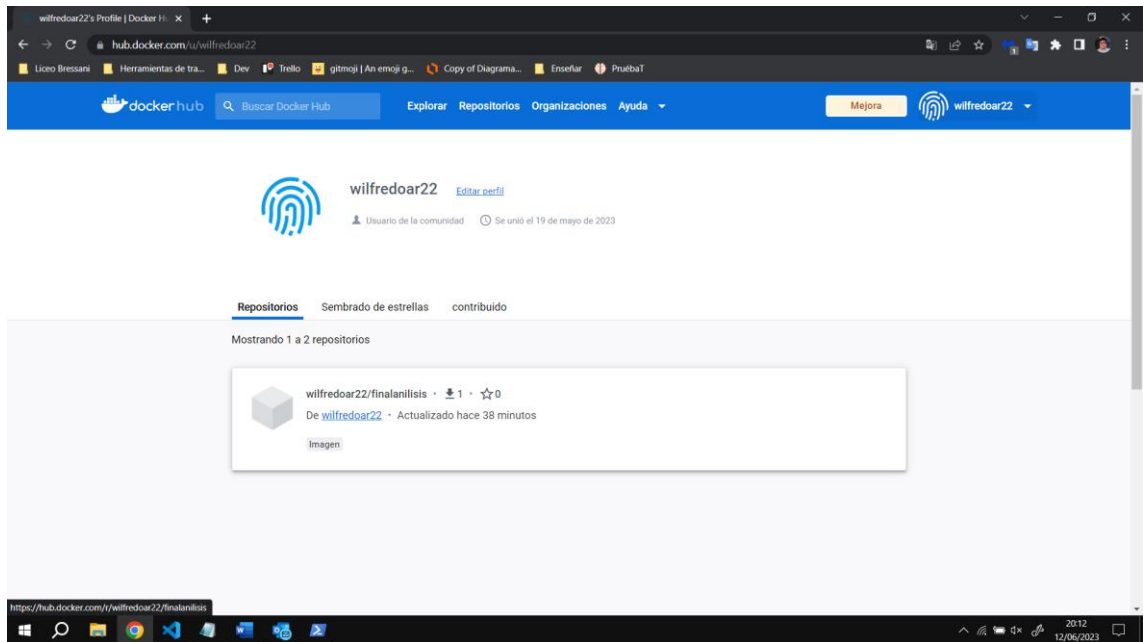
PS C:\Users\wilfr\Desktop\Git Curso\ANALISIS FINAL> docker run -d -p 8081:80 wilfredoar22/finalanilisis:v1.0
fe09ca0745580271d3b3e3b4e980229e998ba0f01cd8c8d7a645f4ca680e4
PS C:\Users\wilfr\Desktop\Git Curso\ANALISIS FINAL> docker run -d -p 8082:80 wilfredoar22/finalanilisis:v1.0
a5ee31a343f8cfab5defab295b2bebaac0dd73e4c6eddb76029854bae9e2
PS C:\Users\wilfr\Desktop\Git Curso\ANALISIS FINAL> docker run -d -p 8083:80 wilfredoar22/finalanilisis:v1.0
94a5ac22ba0c1e6fae83f0da888c85ac7db22f1ef4067bcadd95af8a2d1
PS C:\Users\wilfr\Desktop\Git Curso\ANALISIS FINAL> docker run -d -p 8084:80 wilfredoar22/finalanilisis:v1.0
610347b8320766a38c9124e3073b4234b9e7d9acadd8ff2e99a4c9ec46c9
PS C:\Users\wilfr\Desktop\Git Curso\ANALISIS FINAL> docker run -d -p 8085:80 wilfredoar22/finalanilisis:v1.0
551d6e8bee834312004c1c3740872d8e8206925e14a396e0804e50c802b
PS C:\Users\wilfr\Desktop\Git Curso\ANALISIS FINAL>
```

5. Mostrar el despliegue de la aplicación

Pero no me funciona 😞 no entiendo porque, verifique los puertos, que el index estuviera en la carpeta correcta y nada

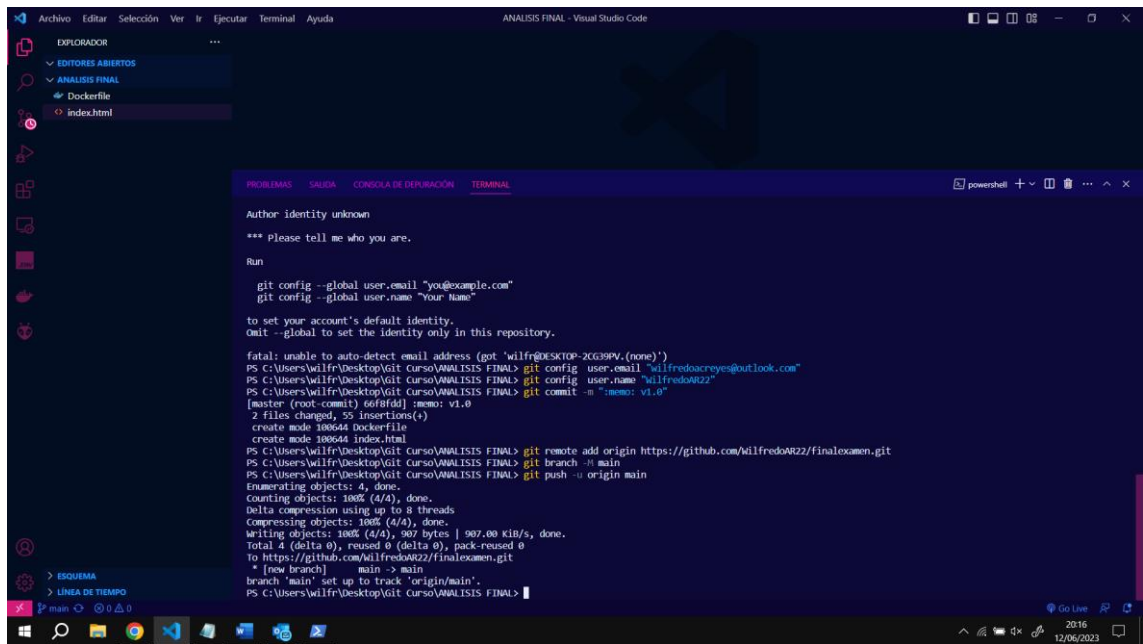


6. Mi repositorio



docker pull wilfredoar22/finalanilisis

7. Subo mis archivos a GIT



Link de mi repo

<https://github.com/WilfredoAR22/finalexamen.git>