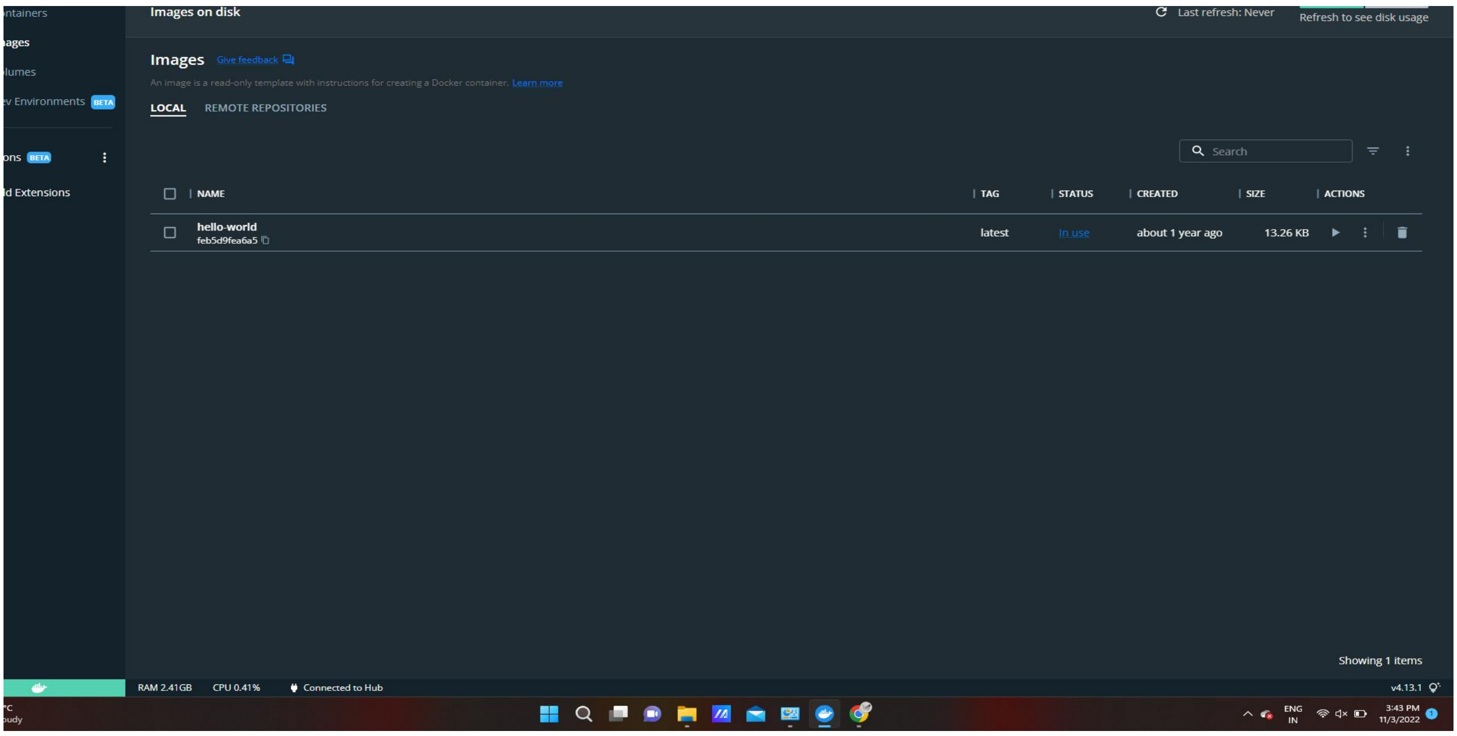
Assignment -4

Assignment Date	25 October 2022
Student Name	S.Swetha Kumari
Student Roll Number	110819205020
Maximum Marks	2 Marks

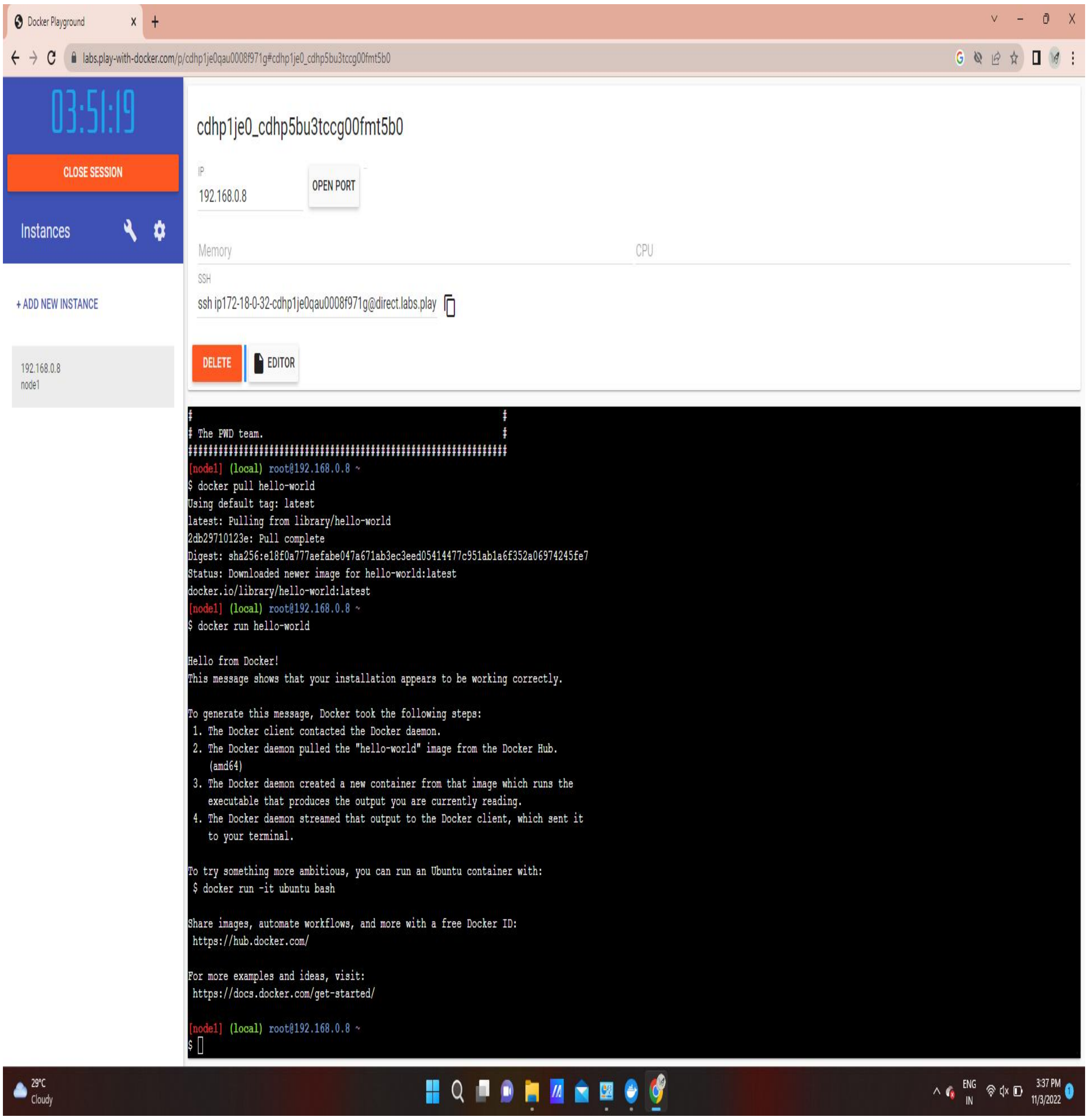
1. Pull an Image from docker hub and run it in docker playground.



An image is a read-only template with instructions for creating a Docker container. Learn more

NAME	TAG	STATUS	CREATED	SIZE	ACTIONS
hello-world feb5d9fea6a5	latest	In use	about 1 year ago	13.26 KB	

Showing 1 items



cdhp1je0_cdhp5bu3tccg00fmt5b0

IP: 192.168.0.8

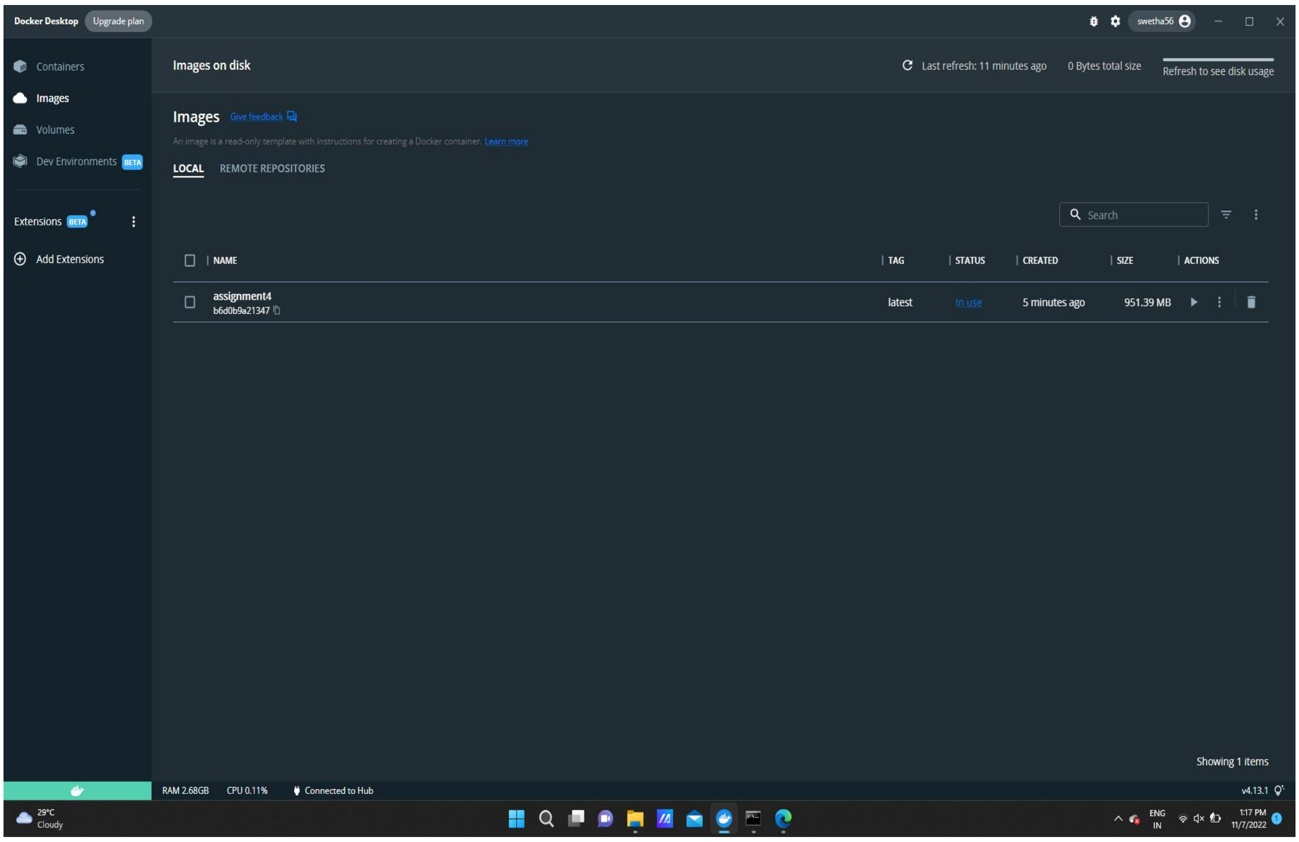
Memory

CPU

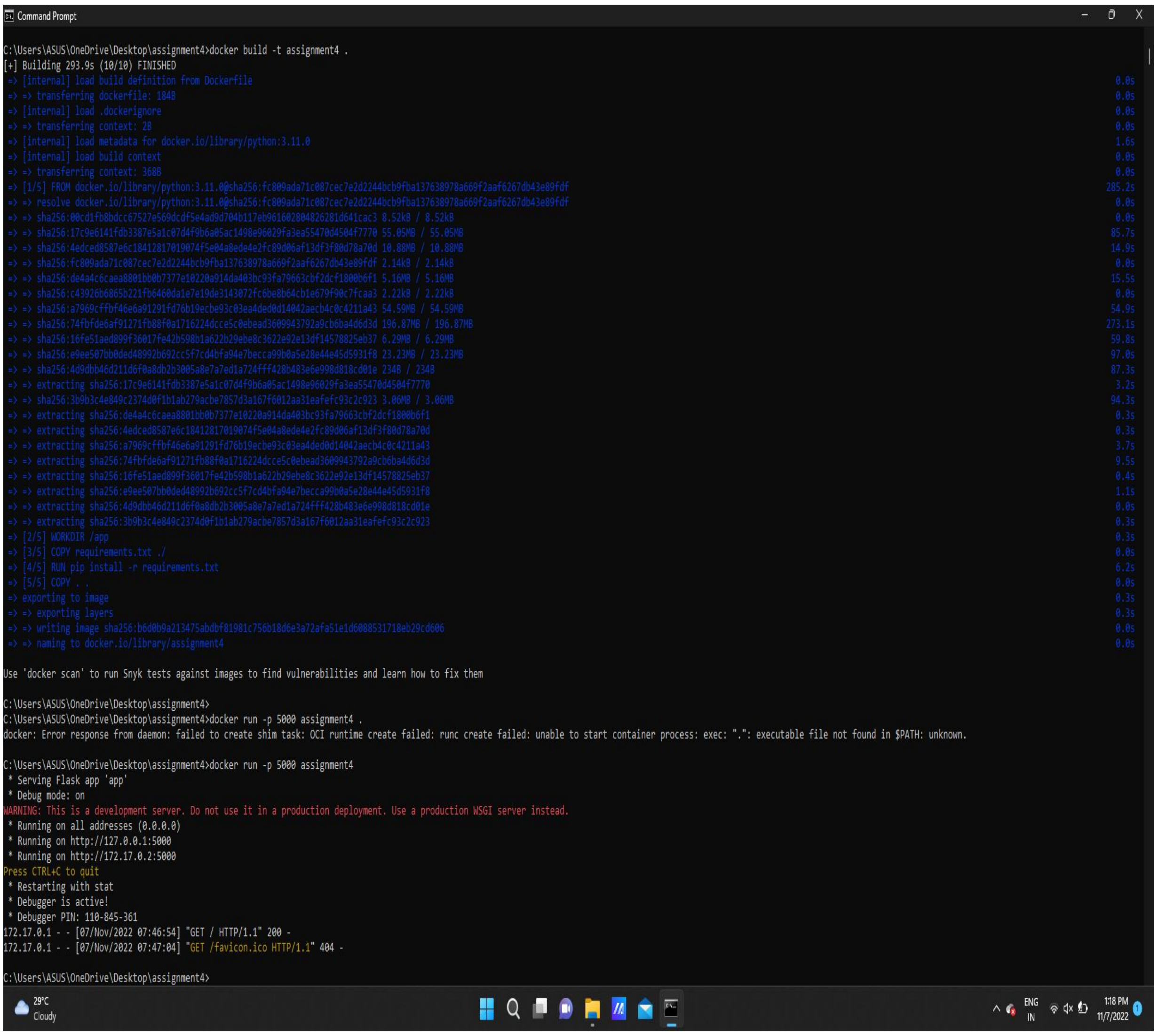
SSH: ssh ip172-18-0-32-cdhp1je0qau0008f971g@direct.labs.play

```
#                                                             #
# The PWD team.                                               #
###############################################################
[node1] (local) root@192.168.0.8 ~
$ docker pull hello-world
Using default tag: latest
latest: Pulling from library/hello-world
2db29710123e: Pull complete
Digest: sha256:e18f0a777aefabe047a671ab3ec3eed05414477c951ab1a6f352a06974245fe7
Status: Downloaded newer image for hello-world:latest
docker.io/library/hello-world:latest
[node1] (local) root@192.168.0.8 ~
$ docker run hello-world

Hello from Docker!
This message shows that your installation appears to be working correctly.

To generate this message, Docker took the following steps:
 1. The Docker client contacted the Docker daemon.
 2. The Docker daemon pulled the "hello-world" image from the Docker Hub.
    (amd64)
 3. The Docker daemon created a new container from that image which runs the
    executable that produces the output you are currently reading.
 4. The Docker daemon streamed that output to the Docker client, which sent it
    to your terminal.

To try something more ambitious, you can run an Ubuntu container with:
 $ docker run -it ubuntu bash

Share images, automate workflows, and more with a free Docker ID:
 https://hub.docker.com/

For more examples and ideas, visit:
 https://docs.docker.com/get-started/

[node1] (local) root@192.168.0.8 ~
$
```

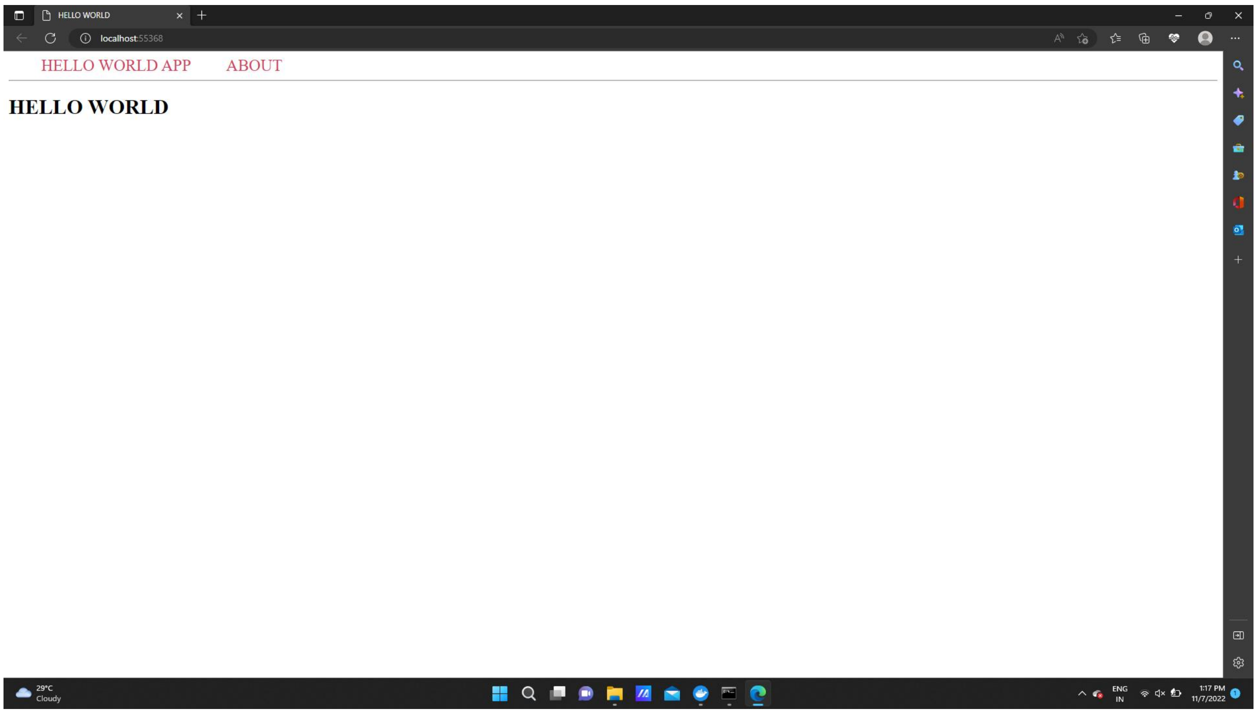
2.Create a docker file for the jobportal application and deploy it in Docker desktop application.



NAME	TAG	STATUS	CREATED	SIZE	ACTIONS
assignment4 b6d0b9a21347	latest	In use	5 minutes ago	951.39 MB	



```
C:\Users\ASUS\OneDrive\Desktop\assignment4>docker build -t assignment4 .
[+] Building 293.9s (10/10) FINISHED
 => [internal] load build definition from Dockerfile                                                                      0.0s
 => => transferring dockerfile: 184B                                                                                      0.0s
 => [internal] load .dockerignore                                                                                         0.0s
 => => transferring context: 2B                                                                                           0.0s
 => [internal] load metadata for docker.io/library/python:3.11.0                                                          1.6s
 => [internal] load build context                                                                                         0.0s
 => => transferring context: 368B                                                                                         0.0s
 => [1/5] FROM docker.io/library/python:3.11.0@sha256:fc809ada71c087cec7e2d2244bcb9fba137638978a669f2aaf6267db43e89fdf   285.2s
 => => resolve docker.io/library/python:3.11.0@sha256:fc809ada71c087cec7e2d2244bcb9fba137638978a669f2aaf6267db43e89fdf     0.0s
 => => sha256:00cd1fb8bdcc67527e569dcdf5e4ad9d704b117eb961602804826281d641cac3 8.52kB / 8.52kB                             0.0s
 => => sha256:17c9e6141fdb3387e5a1c07d4f9b6a05ac1498e96029fa3ea55470d4504f7770 55.05MB / 55.05MB                          85.7s
 => => sha256:4edced8587e6c18412817019074f5e04a8ede4e2fc89d06af13df3f80d78a70d 10.88MB / 10.88MB                          14.9s
 => => sha256:fc809ada71c087cec7e2d2244bcb9fba137638978a669f2aaf6267db43e89fdf 2.14kB / 2.14kB                             0.0s
 => => sha256:de4a4c6caea8801bb0b7377e10220a914da403bc93fa79663cbf2dcf1800b6f1 5.16MB / 5.16MB                            15.5s
 => => sha256:c43926b6865b221fb6460da1e7e19de3143072fc6be8b64cb1e679f90c7fcaa3 2.22kB / 2.22kB                             0.0s
 => => sha256:a7969cffbf46e6a91291fd76b19ecbe93c03ea4ded0d14042aecb4c0c4211a43 54.59MB / 54.59MB                          54.9s
 => => sha256:74fbfde6af91271fb88f0a1716224dcce5c0ebead3609943792a9cb6ba4d6d3d 196.87MB / 196.87MB                       273.1s
 => => sha256:16fe51aed899f36017fe42b598b1a622b29ebe8c3622e92e13df14578825eb37 6.29MB / 6.29MB                            59.8s
 => => sha256:e9ee507bb0ded48992b692cc5f7cd4bfa94e7becca99b0a5e28e44e45d5931f8 23.23MB / 23.23MB                          97.0s
 => => sha256:4d9dbb46d211d6f0a8db2b3005a8e7a7ed1a724fff428b483e6e998d818cd01e 234B / 234B                                87.3s
 => => extracting sha256:17c9e6141fdb3387e5a1c07d4f9b6a05ac1498e96029fa3ea55470d4504f7770                                  3.2s
 => => sha256:3b9b3c4e849c2374d0f1b1ab279acbe7857d3a167f6012aa31eafefc93c2c923 3.06MB / 3.06MB                            94.3s
 => => extracting sha256:de4a4c6caea8801bb0b7377e10220a914da403bc93fa79663cbf2dcf1800b6f1                                  0.3s
 => => extracting sha256:4edced8587e6c18412817019074f5e04a8ede4e2fc89d06af13df3f80d78a70d                                  0.3s
 => => extracting sha256:a7969cffbf46e6a91291fd76b19ecbe93c03ea4ded0d14042aecb4c0c4211a43                                  3.7s
 => => extracting sha256:74fbfde6af91271fb88f0a1716224dcce5c0ebead3609943792a9cb6ba4d6d3d                                  9.5s
 => => extracting sha256:16fe51aed899f36017fe42b598b1a622b29ebe8c3622e92e13df14578825eb37                                  0.4s
 => => extracting sha256:e9ee507bb0ded48992b692cc5f7cd4bfa94e7becca99b0a5e28e44e45d5931f8                                  1.1s
 => => extracting sha256:4d9dbb46d211d6f0a8db2b3005a8e7a7ed1a724fff428b483e6e998d818cd01e                                  0.0s
 => => extracting sha256:3b9b3c4e849c2374d0f1b1ab279acbe7857d3a167f6012aa31eafefc93c2c923                                  0.3s
 => [2/5] WORKDIR /app                                                                                                    0.3s
 => [3/5] COPY requirements.txt ./                                                                                        0.0s
 => [4/5] RUN pip install -r requirements.txt                                                                             6.2s
 => [5/5] COPY . .                                                                                                        0.0s
 => exporting to image                                                                                                    0.3s
 => => exporting layers                                                                                                   0.3s
 => => writing image sha256:b6d0b9a213475abdbf81981c756b18d6e3a72afa51e1d6088531718eb29cd606                               0.0s
 => => naming to docker.io/library/assignment4                                                                            0.0s

Use 'docker scan' to run Snyk tests against images to find vulnerabilities and learn how to fix them

C:\Users\ASUS\OneDrive\Desktop\assignment4>
C:\Users\ASUS\OneDrive\Desktop\assignment4>docker run -p 5000 assignment4 .
docker: Error response from daemon: failed to create shim task: OCI runtime create failed: runc create failed: unable to start container process: exec: ".": executable file not found in $PATH: unknown.

C:\Users\ASUS\OneDrive\Desktop\assignment4>docker run -p 5000 assignment4
 * Serving Flask app 'app'
 * Debug mode: on
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
 * Running on all addresses (0.0.0.0)
 * Running on http://127.0.0.1:5000
 * Running on http://172.17.0.2:5000
Press CTRL+C to quit
 * Restarting with stat
 * Debugger is active!
 * Debugger PIN: 110-845-361
172.17.0.1 - - [07/Nov/2022 07:46:54] "GET / HTTP/1.1" 200 -
172.17.0.1 - - [07/Nov/2022 07:47:04] "GET /favicon.ico HTTP/1.1" 404 -

C:\Users\ASUS\OneDrive\Desktop\assignment4>
```



HELLO WORLD APP   ABOUT

HELLO WORLD