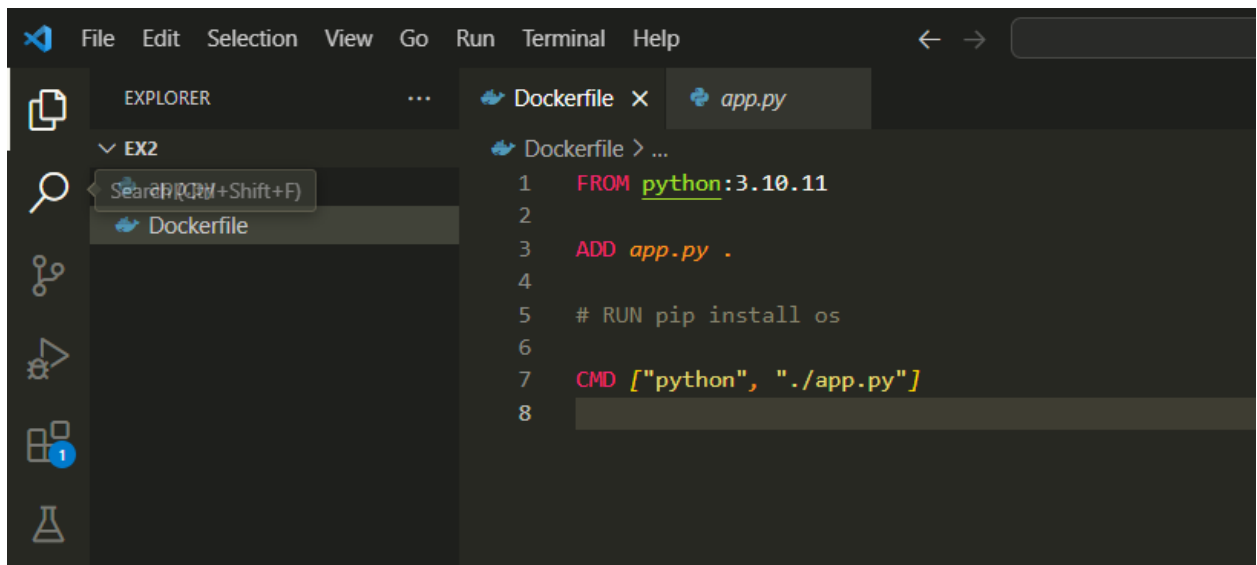


Ex2

Am ales app.py



Deoarece app.py are o structura simpla, iar aceasta importa doar biblioteca “os” ce este deja inclusa in python, am ales sa comentez linia ce se ocupa in mod normal de dependinte.

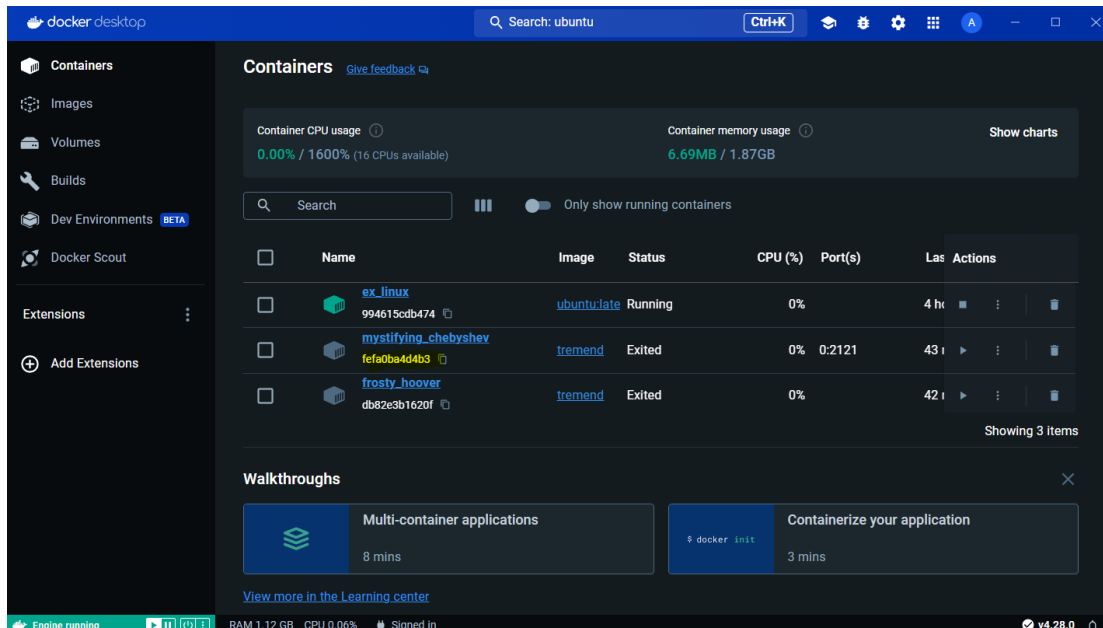
```
C:\Users\Administrator\Desktop\Tremend\Ex2>docker build -t tremend .
[+] Building 1.2s (8/8) FINISHED
=> [internal] load build definition from Dockerfile
=> => transferring dockerfile: 146B
=> [internal] load metadata for docker.io/library/python:3.10.11
=> [auth] library/python:pull token for registry-1.docker.io
=> [internal] load .dockerignore
=> => transferring context: 2B
=> [internal] load build context
=> => transferring context: 28B
=> [1/2] FROM docker.io/library/python:3.10.11@sha256:f5ef86211c0ef0db2e3059787088221602cad7e11b238246e406aa7bbd
=> CACHED [2/2] ADD app.py .
=> exporting to image
=> => exporting layers
=> => writing image sha256:40133a40463815f2bdfbff4ca74d3cd4d448f5d2aafd3db04d6c302d60c073ff
=> => naming to docker.io/library/tremend
View build details: docker-desktop://dashboard/build/default/default/j0xxrtvlku5clryln2kxvdthh
What's Next?
  View a summary of image vulnerabilities and recommendations → docker scout quickview
C:\Users\Administrator\Desktop\Tremend\Ex2>
```

```
C:\Users\Administrator\Desktop\Tremend\Ex2>docker run tremend
Hello, User!

C:\Users\Administrator\Desktop\Tremend\Ex2>

C:\Users\Administrator\Desktop\Tremend\Ex2>docker login
Authenticating with existing credentials...
Login Succeeded
```

Am identificat ID-ul container-ului creat pentru aplicatia python.



Am efectuat commit cu acel ID si dupa am facut push pe repository-ul Docker.

```
C:\Users\Administrator\Desktop\Tremend\Ex2>docker commit fefa0ba4d4b339388826c96538769476e39fc94d0efc06397bc8b904066b27b  
a andreiliviu4/tremend_2024  
sha256:70d8ec6b9edee5daf6875377b00a637c5ca8b3dff770baa30af60740004c8733
```

```
C:\Users\Administrator\Desktop\Tremend\Ex2>docker push andreiliviu4/tremend_2024
Using default tag: latest
The push refers to repository [docker.io/andreiliviu4/tremend_2024]
4cd3f27ecca7: Pushed
aea87e86029f: Pushed
224aebcc8d1b: Mounted from library/python
5a636ff19cf9: Mounted from library/python
061123a5d198: Mounted from library/python
ea9a66bcf3b5: Mounted from library/python
d140420135e3: Mounted from library/python
b4b4f5c5ff9f: Mounted from library/python
b0df24a95c80: Mounted from library/python
974e52a24adf: Mounted from library/python
latest: digest: sha256:ae7de91cbb281f742bcc0bb9b461d61e3a6154ca2a40a93a757f9b869ba47dec size: 2423

C:\Users\Administrator\Desktop\Tremend\Ex2>
```

andreiliviu4/tremend_2024

Updated less than a minute ago

Ex2 Tremend DevOps

Docker commands

To push a new tag to this repository:

`docker push andreiliviu4/tremend_2024:tagname`

Public View

Tags

This repository contains 1 tag(s).

| Tag | OS | Type | Pulled | Pushed |
|--------|----|-------|--------|--------------|
| latest | | Image | --- | a minute ago |

[See all](#)

Automated Builds

Manually pushing images to Hub? Connect your account to GitHub or Bitbucket to automatically build and tag new images whenever your code is updated, so you can focus your time on creating.

Available with Pro, Team and Business subscriptions. [Read more about automated builds](#)

Upgrade

Repository overview








An overview describes what your image does and how to run it. It displays in [the public view of your repository](#).

Add overview

Pe github am configurat Environment Secrets care sa stocheze username-ul si parola de pe Docker Hub.

Repository secrets


New repository secret





| Name  | Last updated | |
|---|---------------|---|
|  DOCKER_PASSWORD | now |   |
|  DOCKER_USERNAME | 4 minutes ago |   |

Parola a fost generata sub forma unui token din Docker Hub.

Access Tokens

New Access Token

Tokens marked AUTO-GENERATED are created on your behalf by Docker Desktop for the CLI to use for authentication. You can have a maximum of 5 auto-generated tokens associated with your account. [Learn more](#) .

| <input type="checkbox"/> | Description | Source | Scope | Last Used | Created | |
|--------------------------|---|-----------------------------|---------------------|-----------------------|-----------------------|---|
| <input type="checkbox"/> |  Generated by Docker De... | AUTO-GENERATED | Read, Write, Delete | Mar 26, 2024 19:53:33 | Mar 26, 2024 14:41:13 |  |
| <input type="checkbox"/> |  Github | MANUAL | Read, Write, Delete | Never | Mar 26, 2024 20:12:54 |  |

```
name: Build and Push Docker image

on:
  push:
    branches:
      - main
      - master
jobs:
  build:
    runs-on: ubuntu-latest

    steps:
      - uses: actions/checkout@v2

      - name: Set up Docker Buildx
        uses: docker/setup-buildx-action@v1

      - name: Log in to Docker Hub
        uses: docker/login-action@v1
        with:
          username: ${ secrets.DOCKER_USERNAME }
          password: ${ secrets.DOCKER_PASSWORD }

      - name: Build and push
        uses: docker/build-push-action@v2
        with:
          context: ./Ex2
          file: ./Ex2/Dockerfile
          tags: andreiliviu4/tremend_2024:${ github.sha }
```

← Build and Push Docker image

Update DockerBuild.yml #10

Re-run all jobs ...

Summary

Jobs

- build

Run details

- Usage
- Workflow file

| Triggered via push now | Status | Total duration | Artifacts |
|------------------------------------|---------|----------------|-----------|
| andreiiviu21 pushed → 830525c main | Success | 31s | — |

DockerBuild.yml

on: push

build 24s

Functioneaza corespunzator automatizarea.