

Divya Chelikani

Go to current directory

Cd path

Install docker desktop

```
Windows PowerShell
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Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

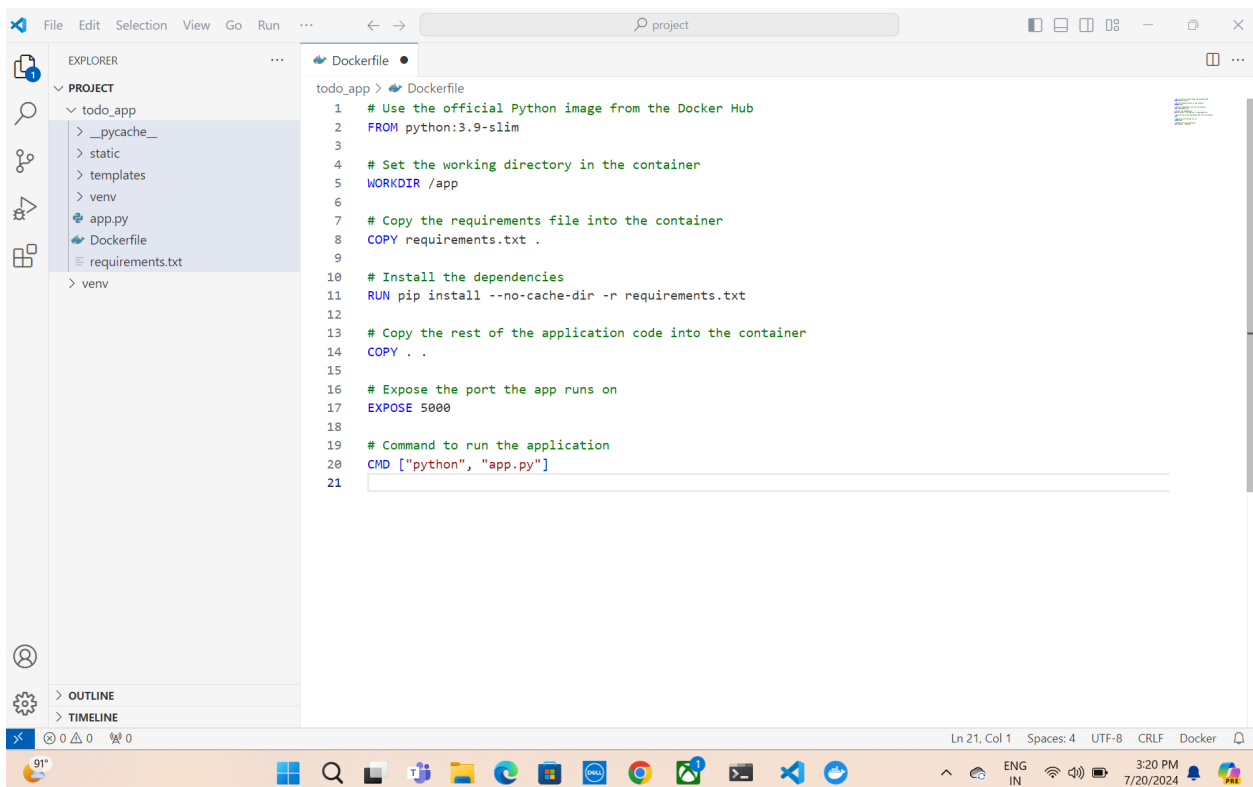
PS C:\Users\Divya> docker --version
Docker version 27.0.3, build 7d4bcd8
```

Create requirement.txt file

Flask==3.0.3

Werkzeug==3.0.3

And docker file without any extension



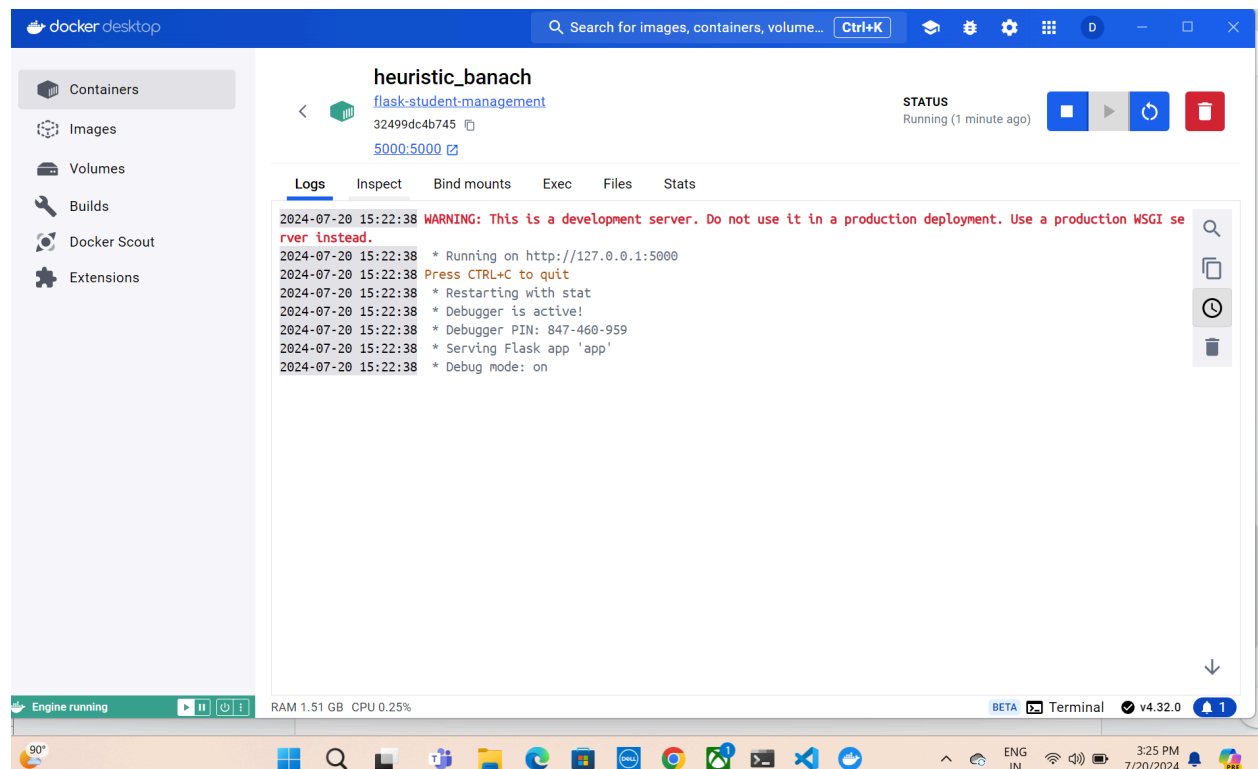
docker build -t flask-student-management .

```
PS C:\Users\Divya> cd C:\Users\Divya\project\todo_app
PS C:\Users\Divya\project\todo_app> docker build -t flask-student-management .
[+] Building 12.5s (11/11) FINISHED                                docker:desktop-linux
=> [internal] load build definition from Dockerfile                0.0s
=> => transferring dockerfile: 518B                                0.0s
=> [internal] load metadata for docker.io/library/python:3.9-slim  1.9s
=> [auth] library/python:pull token for registry-1.docker.io       0.0s
=> [internal] load .dockerignore                                   0.0s
=> => transferring context: 2B                                       0.0s
=> [1/5] FROM docker.io/library/python:3.9-slim@sha256:a6c12ec09f13df9d4b8b4e4d08678c1b212d89885be14b6c72b633bee2a520f4  0.0s
=> [internal] load build context                                   0.2s
=> => transferring context: 117.64kB                                0.1s
=> CACHED [2/5] WORKDIR /app                                       0.0s
=> [3/5] COPY requirements.txt .                                    0.0s
=> [4/5] RUN pip install --no-cache-dir -r requirements.txt        8.8s
=> [5/5] COPY . .                                                  1.1s
=> exporting to image                                              0.2s
=> => exporting layers                                              0.2s
=> => writing image sha256:7c6386dad2ba4a1468b6434cb0800967c4798e87f014512181a004a1ca66442  0.0s
=> => naming to docker.io/library/flask-student-management       0.0s
PS C:\Users\Divya\project\todo_app>
```

Run the Docker Container

`docker run -d -p 5000:5000 flask-student-management`

```
PS C:\Users\Divya\project\todo_app> docker run -d -p 5000:5000 flask-student-management
32499dc4b745c336261c20ec96e436e60808c47a6c2d08b358e4b6c7c618bd68
```





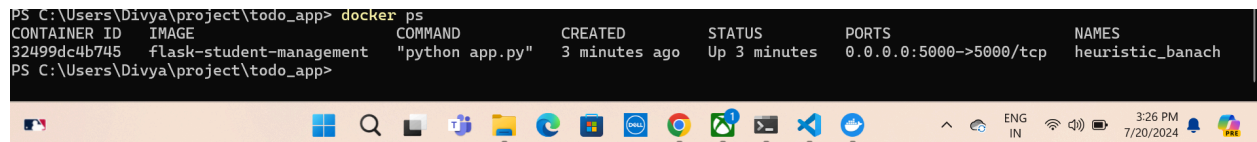
Student Information

Student ID: Course Name: Action:



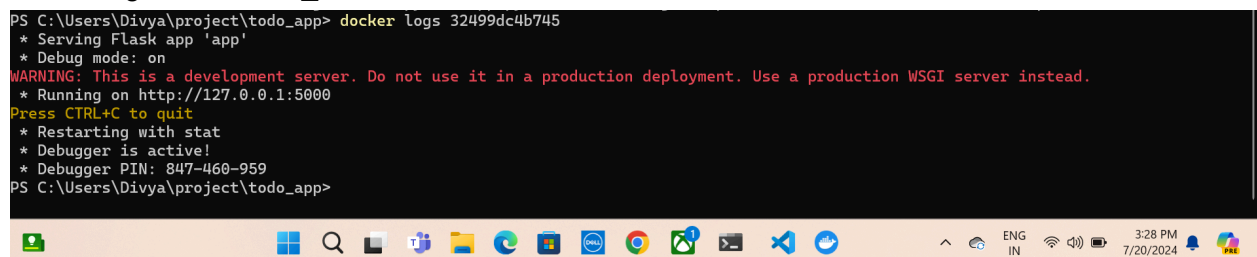
Checking running containers from terminal

docker ps



View Container Logs:

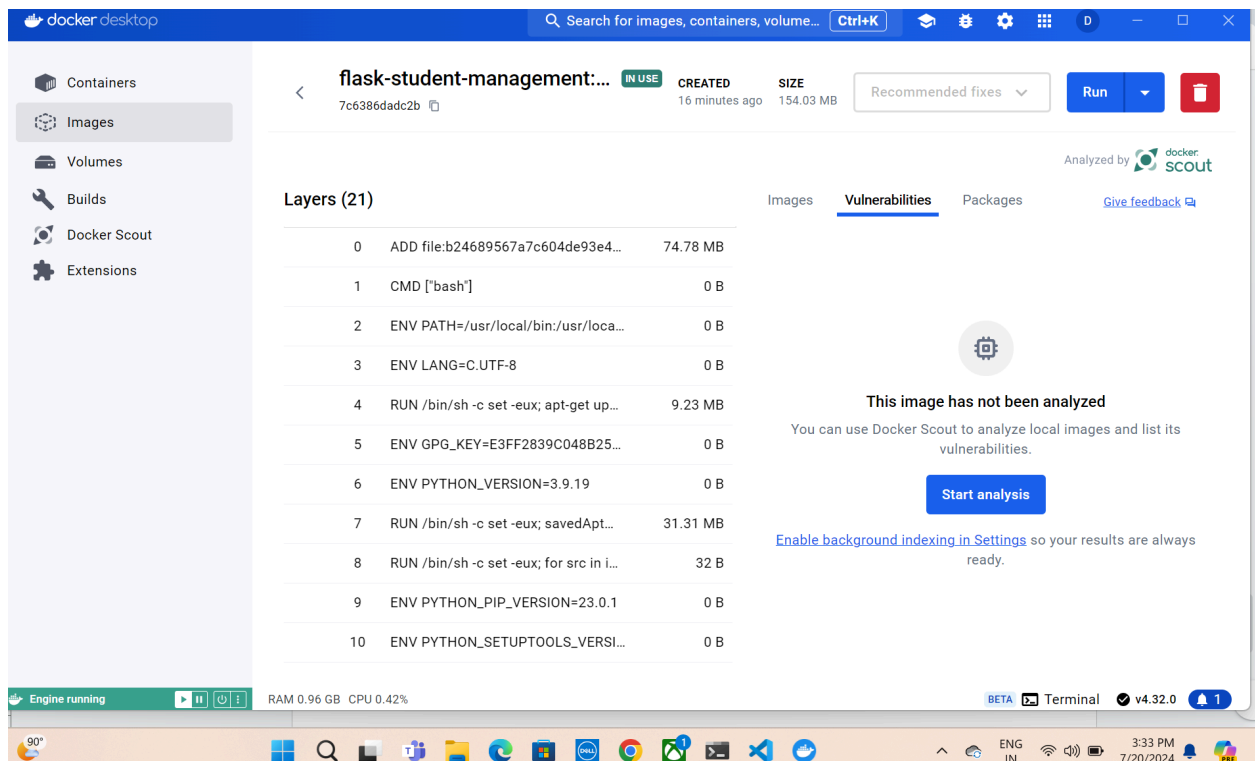
docker logs <container_id>



Stop the Container:

`docker stop <container_id>`

```
PS C:\Users\Divya\project\todo_app> docker stop 32499dc4b745
32499dc4b745
PS C:\Users\Divya\project\todo_app>
```



Remove the container:

`docker rm <container_id>`

```
PS C:\Users\Divya\project\todo_app> docker rm 32499dc4b745
32499dc4b745
PS C:\Users\Divya\project\todo_app>
```

