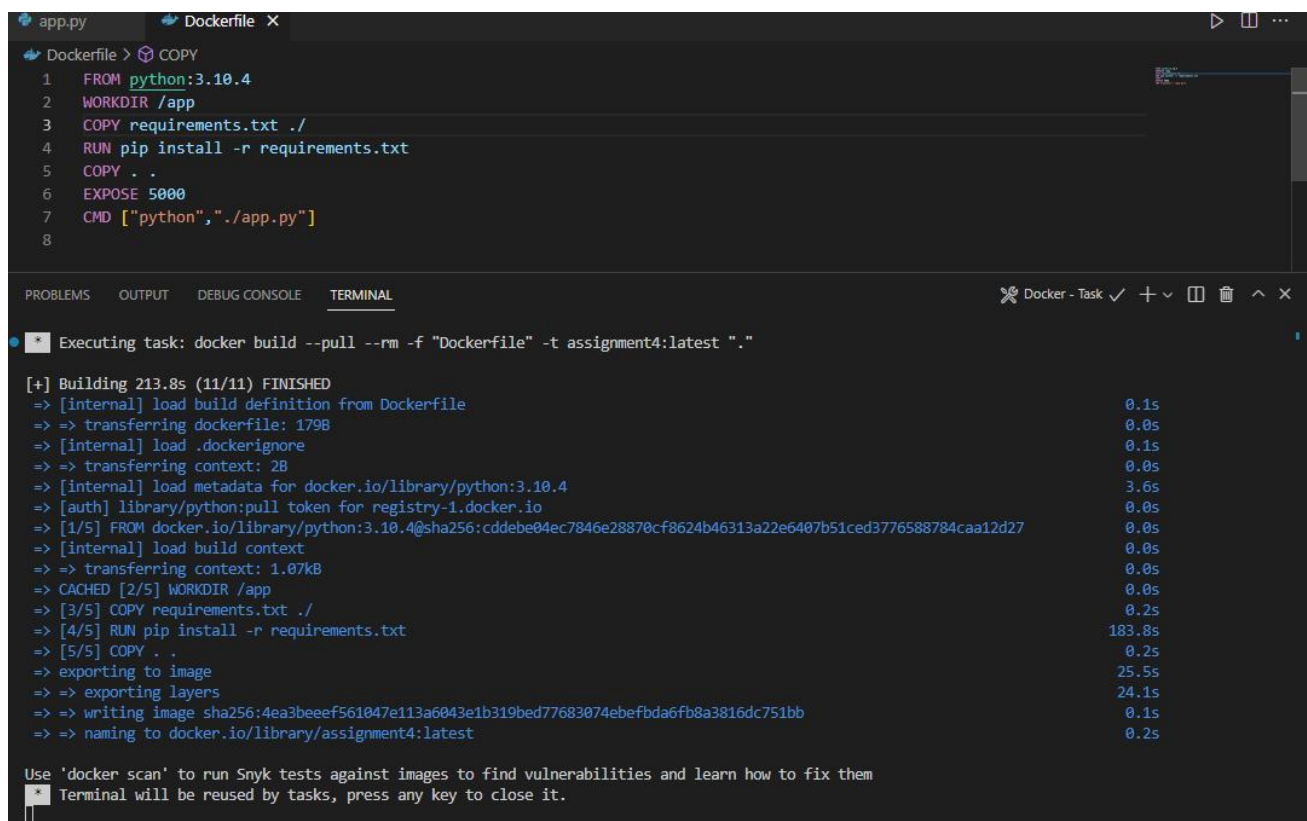


Assignment - 4

Assignment Date	31 October 2022
Student Name	Shakthi Dharun R
Student Roll Number	727720EUIT510
Maximum Marks	2 Marks

Output:



The screenshot shows a Docker build process in a terminal window. The top panel displays the Dockerfile content, and the bottom panel shows the terminal output of the build command.

Dockerfile Content:

```
1 FROM python:3.10.4
2 WORKDIR /app
3 COPY requirements.txt ./
4 RUN pip install -r requirements.txt
5 COPY . .
6 EXPOSE 5000
7 CMD ["python", "./app.py"]
8
```

Terminal Output:

```
Executing task: docker build --pull --rm -f "Dockerfile" -t assignment4:latest "."

[+] Building 213.8s (11/11) FINISHED
=> [internal] load build definition from Dockerfile                                0.1s
=> => transferring dockerfile: 179B                                              0.0s
=> [internal] load .dockerignore                                                  0.1s
=> => transferring context: 2B                                                    0.0s
=> [internal] load metadata for docker.io/library/python:3.10.4                 3.6s
=> [auth] library/python:pull token for registry-1.docker.io                   0.0s
=> [1/5] FROM docker.io/library/python:3.10.4@sha256:cddebe04ec7846e28870cf8624b46313a22e6407b51ced3776588784caa12d27 0.0s
=> [internal] load build context                                                  0.0s
=> => transferring context: 1.07kB                                                0.0s
=> CACHED [2/5] WORKDIR /app                                                      0.0s
=> [3/5] COPY requirements.txt ./                                                 0.2s
=> [4/5] RUN pip install -r requirements.txt                                     183.8s
=> [5/5] COPY . .                                                                0.2s
=> exporting to image                                                            25.5s
=> => exporting layers                                                            24.1s
=> => writing image sha256:4ea3beef561047e113a6043e1b319bed77683074ebefbda6fb8a3816dc751bb 0.1s
=> => naming to docker.io/library/assignment4:latest                           0.2s

Use 'docker scan' to run Snyk tests against images to find vulnerabilities and learn how to fix them
Terminal will be reused by tasks, press any key to close it.
```

Containers

Images

Volumes

Dev Environments BETA

Extensions BETA

Add Extensions

Containers Give Feedback

A container packages up code and its dependencies so the application runs quickly and reliably from one computing environment to another. [Learn more](#)

Showing 2 items

Search

	NAME	IMAGE ↑	STATUS	PORT(S)	STARTED	ACTIONS
<input type="checkbox"/>	<div>goofy_gould</div> <div>258252a17059</div>	assignment4:latest	Exited	5000		<div><div></div><div></div><div></div></div>
<input type="checkbox"/>	<div>bold_raman</div> <div>59ecb4420b09</div>	assignment4:latest	Running	4200	2 minutes ago	<div><div></div><div></div><div></div></div>

RAM 3.33GB CPU 0.42% Connected to Hub

v4.12.0

Containers

Images

Volumes

Dev Environments BETA

Extensions BETA

Add Extensions

Images on disk Last refresh: less than a minute ago 1 Images 1.66 GB total size

1.66 GB / 1.66 GB in use

Clean up

Images Give Feedback

LOCAL

REMOTE REPOSITORIES

Search

☐ In use only

NAME ↑		TAG	IMAGE ID	CREATED	SIZE
assignment4	IN USE	latest	4ea3beef561	6 minutes ago	1.66 GB

RAM 3.33GB CPU 1.24% Connected to Hub

v4.12.0

Containers

Images

Volumes

Dev Environments BETA

Extensions BETA

Add Extensions

silly_jennings assignment4:latest

RUNNING

Logs

Inspect

Stats

CLI

🔍

📄

🗑️

* 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: 121-996-972

172.17.0.1 - - [06/Nov/2022 15:29:27] "GET / HTTP/1.1" 500 -

Traceback (most recent call last):

File "/usr/local/lib/python3.10/site-packages/flask/app.py", line 2548, in __call__

return self.wsgi_app(environ, start_response)

File "/usr/local/lib/python3.10/site-packages/flask/app.py", line 2528, in wsgi_app

response = self.handle_exception(e)

File "/usr/local/lib/python3.10/site-packages/flask/app.py", line 2525, in wsgi_app

response = self.full_dispatch_request()

File "/usr/local/lib/python3.10/site-packages/flask/app.py", line 1822, in full_dispatch_request

rv = self.handle_user_exception(e)

File "/usr/local/lib/python3.10/site-packages/flask/app.py", line 1820, in full_dispatch_request

rv = self.dispatch_request()

File "/usr/local/lib/python3.10/site-packages/flask/app.py", line 1796, in dispatch_request

return self.ensure_sync(self.view_functions[rule.endpoint])(**view_args)

File "/app/app.py", line 32, in index

return render_template('index.html', messages=messages)

File "/usr/local/lib/python3.10/site-packages/flask/templating.py", line 146, in render_template

template = app.jinja_env.get_or_select_template(template_name_or_list)

File "/usr/local/lib/python3.10/site-packages/jinja2/environment.py", line 1081, in get_or_select_template

return self.get_template(template_name_or_list, parent, globals)

File "/usr/local/lib/python3.10/site-packages/jinja2/environment.py", line 1010, in get_template

return self._load_template(name, globals)

File "/usr/local/lib/python3.10/site-packages/jinja2/environment.py", line 969, in _load_template

template = self.loader.load(self, name, self.make_globals(globals))

File "/usr/local/lib/python3.10/site-packages/jinja2/loaders.py", line 126, in load

source, filename, uptodate = self.get_source(environment, name)

File "/usr/local/lib/python3.10/site-packages/flask/templating.py", line 62, in get_source

return self._get_source_fast(environment, template)

File "/usr/local/lib/python3.10/site-packages/flask/templating.py", line 98, in _get_source_fast

raise TemplateNotFound(template)

jinja2.exceptions.TemplateNotFound: index.html

172.17.0.1 - - [06/Nov/2022 15:29:27] "GET /?__debugger__=yes&cmd=resource&f=style.css HTTP/1.1" 304 -

172.17.0.1 - - [06/Nov/2022 15:29:27] "GET /?__debugger__=yes&cmd=resource&f=debugger.js HTTP/1.1" 304 -

172.17.0.1 - - [06/Nov/2022 15:29:28] "GET /?__debugger__=yes&cmd=resource&f=console.png HTTP/1.1" 304 -

RAM 3.33GB

CPU 0.58%

Connected to Hub

v4.12.0