

WEEK -1

OUTPUT SCREENSHOTS OF EXECUTION:

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[04/02/25] Anushka@pes2ug22cs089:~/Downloads/CC LAB/PROJECT$ nano Dockerfile
[04/02/25] Anushka@pes2ug22cs089:~/Downloads/CC LAB/PROJECT$ nano requirements.txt
[04/02/25] Anushka@pes2ug22cs089:~/Downloads/CC LAB/PROJECT$ nano docker-compose.yml
[04/02/25] Anushka@pes2ug22cs089:~/Downloads/CC LAB/PROJECT$ docker-compose build
redis uses an image, skipping
Building app
ERROR: Cannot locate specified Dockerfile: Dockerfile
[04/02/25] Anushka@pes2ug22cs089:~/Downloads/CC LAB/PROJECT$ docker-compose build
redis uses an image, skipping
Building app
Step 1/7 : FROM python:3.9
3.9: Pulling from library/python
7cd785773db4: Pull complete
091eb8249475: Pull complete
255774e0027b: Pull complete
353e14e5cc47: Pull complete
f6d72b00ae7c: Pull complete
6e02a90e58ae: Pull complete
f299e0671245: Pull complete
Digest: sha256:bc2e05bca883473050fc3b7c134c28ab822be73126ba1ce29517d9e8b7f3703b
Status: Downloaded newer image for python:3.9
----> 859d4a0f1fd8
Step 2/7 : WORKDIR /app
----> Running in d9b4dda15cc8
----> Removed intermediate container d9b4dda15cc8
----> 943b3b42c2b9
Step 3/7 : COPY app.py /app
----> 5c39e8848c74
Step 4/7 : COPY requirements.txt /app
----> 9e1e344728be
Step 5/7 : RUN pip install flask redis
----> Running in 8b696b4c572e
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98.2/98.2 kB 1.6 MB/s eta 0:00:00
Collecting Jinja2>=3.1.2
  Downloading jinja2-3.1.6-py3-none-any.whl (134 kB)
134.9/134.9 kB 1.7 MB/s eta 0:00:00
Collecting itsdangerous>=2.2
  Downloading itsdangerous-2.2.0-py3-none-any.whl (16 kB)
Collecting importlib-metadata>=3.6
  Downloading importlib_metadata-8.6.1-py3-none-any.whl (26 kB)
Collecting Werkzeug>=3.1
  Downloading werkzeug-3.1.3-py3-none-any.whl (224 kB)
224.5/224.5 kB 1.5 MB/s eta 0:00:00
Collecting blinker>=1.9
  Downloading blinker-1.9.0-py3-none-any.whl (8.5 kB)
Collecting async-timeout>=4.0.3
  Downloading async_timeout-5.0.1-py3-none-any.whl (6.2 kB)
Collecting zipp>=3.20
  Downloading zipp-3.21.0-py3-none-any.whl (9.6 kB)
Collecting MarkupSafe>=2.0
  Downloading MarkupSafe-3.0.2-cp39-cp39-manylinux_2_17_x86_64.manylinux2014_x86_64.whl (20 kB)
Installing collected packages: zipp, MarkupSafe, itsdangerous, click, blinker, async-timeout, Werkzeug, redis, Jinja2, importlib-metadata, flask
Successfully installed Jinja2-3.1.6 MarkupSafe-3.0.2 Werkzeug-3.1.3 async-timeout-5.0.1 blinker-1.9.0 click-8.1.8 flask-3.1.0 importlib-metadata-8.6.1 itsdangerous-2.2.0 redis-5.2.1 zipp-3.21.0
WARNING: Running pip as the 'root' user can result in broken permissions and conflicting behaviour with the system package manager. It is recommended to use a virtual environment instead: https://pip.pypa.io/warnings/venv

[notice] A new release of pip is available: 23.0.1 -> 25.0.1
[notice] To update, run: pip install --upgrade pip
----> Removed intermediate container 8b696b4c572e
----> ff65b085a437
Step 6/7 : EXPOSE 5000
----> Running in c45a2f60ff59
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Step 6/7 : EXPOSE 5000
--> Running in c45a2f60ff59
--> Removed intermediate container c45a2f60ff59
--> ce98b27d88e1
Step 7/7 : CMD ["python", "app.py"]
--> Running in 1459dc8c015c
--> Removed intermediate container 1459dc8c015c
--> 32cec2c60e27

Successfully built 32cec2c60e27
Successfully tagged project_app:latest
[04/02/25] Anushka@pes2ug22cs089:~/Downloads/CC LAB/PROJECT$ docker-compose up -d
Creating network "project_default" with the default driver
Pulling redis (redis:...)...
latest: Pulling from library/redis
6e909acdb790: Pull complete
d9b98f603d6b: Pull complete
513666b05c81: Pull complete
764e7fbfdb05: Pull complete
2884ccae34c1: Pull complete
df4660a56a60: Pull complete
4f4fb700ef54: Pull complete
b138a3179b82: Pull complete
Digest: sha256:bd41d55aa1ecff61b2fafd0d66761223fe94a60373eb6bb781cfbb570a84079
Status: Downloaded newer image for redis:latest
Creating redis ... done
Creating url-shortener ... done
[04/02/25] Anushka@pes2ug22cs089:~/Downloads/CC LAB/PROJECT$ curl -X POST http://localhost:5000/shorten -H "Content-Type: application/json" -d '{"url": "https://www.google.com"}'
{"short_url": "http://localhost:5000/xNlwu0"}
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