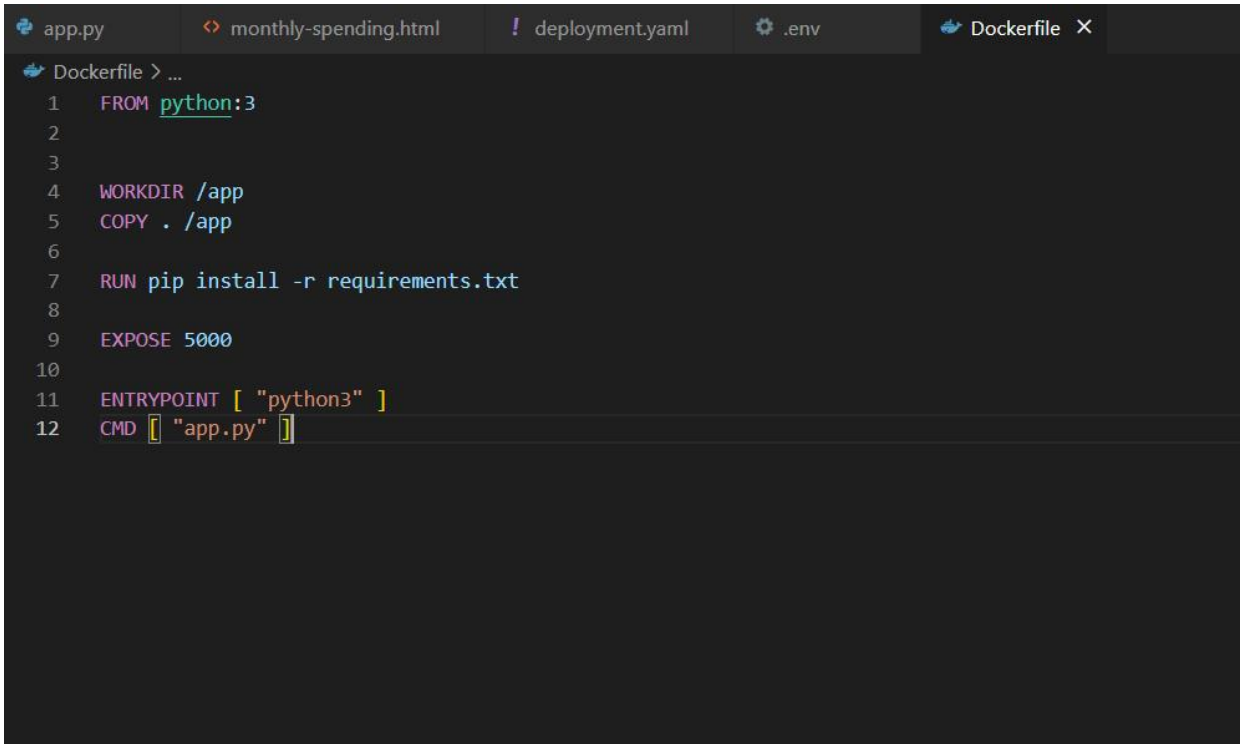
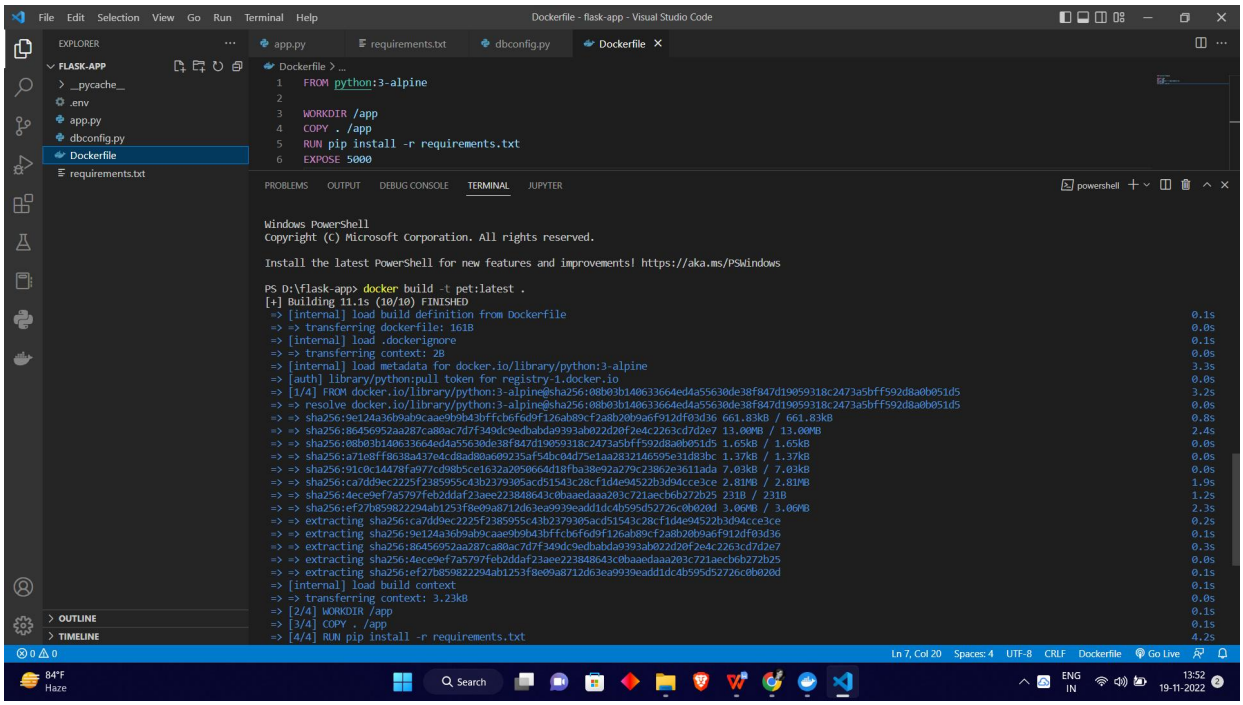
**DEPLOYMENT OF APP IN IBM CLOUD**

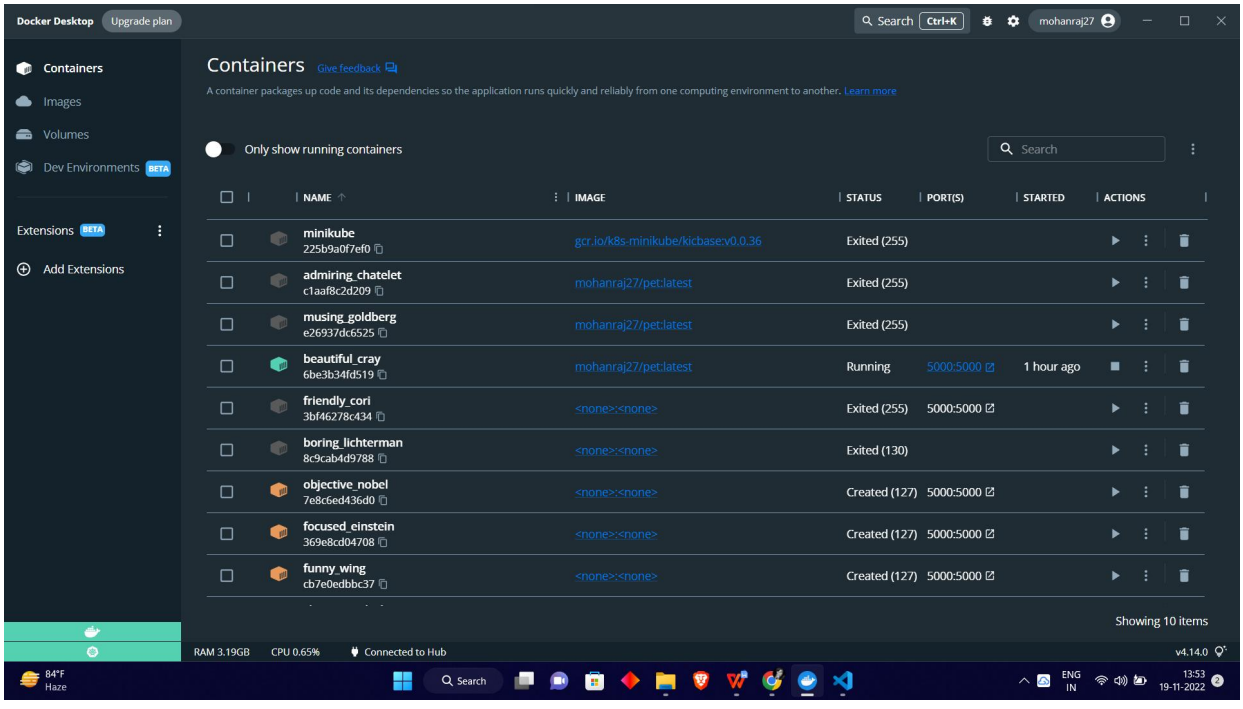
**CONTAINERIZE THE APP**

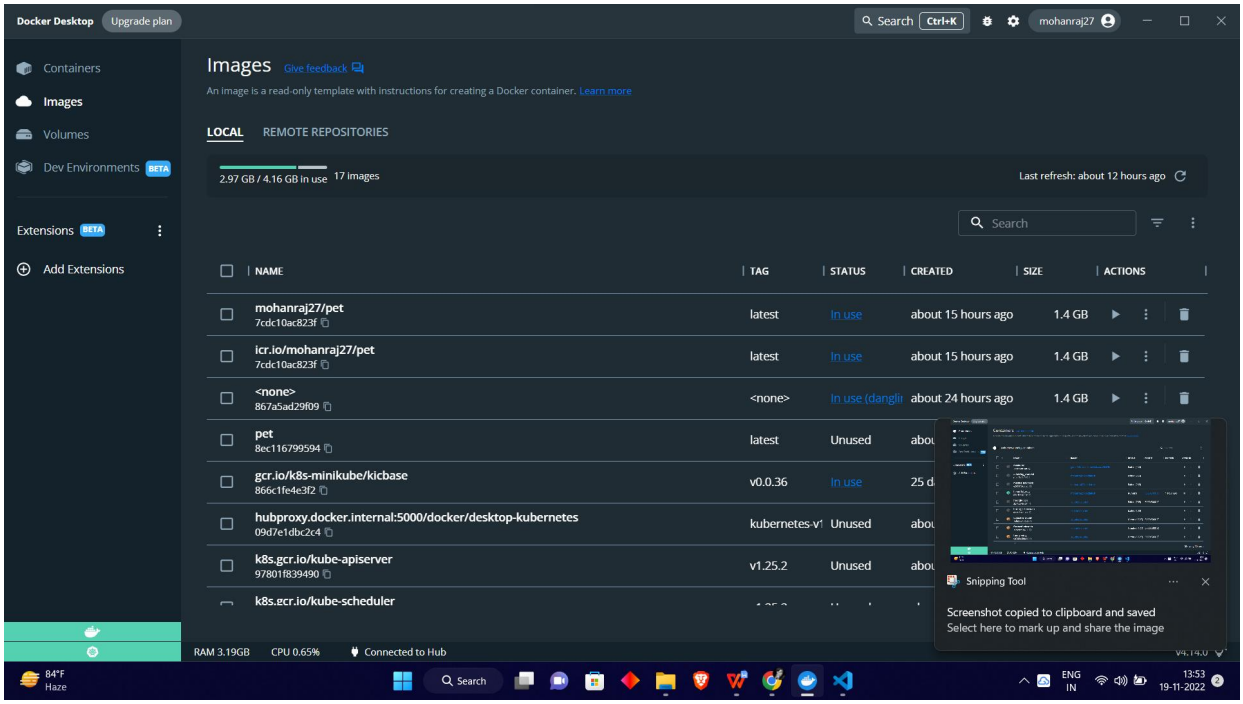
| | |
|---|---|
| Team ID | PNT2022TMID01341 |
| Project Name | PERSONAL EXPENSE TRACKER APPLICATION |

## CREATING DOCKER IMAGE FOR FLASK APP




File Edit Selection View Go Run Terminal Help
Dockerfile - flask-app - Visual Studio Code
EXPLORER
FLASK-APP
__pycache__
.env
app.py
dbconfig.py
Dockerfile
requirements.txt
app.py
requirements.txt
dbconfig.py
Dockerfile
Dockerfile > ...
1 FROM python:3-alpine
2
3 WORKDIR /app
4 COPY . /app
5 RUN pip install -r requirements.txt
6 EXPOSE 5000
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER
powershell
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.
Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows
PS D:\flask-app> docker build -t pet:latest .
[+] Building 11.1s (10/10) FINISHED
=> [internal] load build definition from Dockerfile 0.1s
=> => transferring dockerfile: 161B 0.0s
=> [internal] load .dockerignore 0.1s
=> => transferring context: 2B 0.0s
=> [internal] load metadata for docker.io/library/python:3-alpine 3.3s
=> [auth] library/python:pull token for registry-1.docker.io 0.0s
=> [1/4] FROM docker.io/library/python:3-alpine@sha256:08b03b140633664ed4a55630de38f847d19059318c2473a5bff592d8a0b051d5 3.2s
=> => resolve docker.io/library/python:3-alpine@sha256:08b03b140633664ed4a55630de38f847d19059318c2473a5bff592d8a0b051d5 0.0s
=> => sha256:9e124a36b9ab9caae9b9b43bffcb6f6d9f126ab89cf2a8b20b9a6f912df03d36 661.83kB / 661.83kB 0.8s
=> => sha256:86456952aa287ca80ac7d7f349dc9edbabda9393ab022d20f2e4c2263cd7d2e7 13.00MB / 13.00MB 2.4s
=> => sha256:08b03b140633664ed4a55630de38f847d19059318c2473a5bff592d8a0b051d5 1.65kB / 1.65kB 0.0s
=> => sha256:a71e8ff8638a437e4cd8ad80a609235af54bc04d75e1aa2832146595e31d83bc 1.37kB / 1.37kB 0.0s
=> => sha256:91c0c14478fa977cd98b5ce1632a2050664d18fba38e92a279c23862e3611ada 7.03kB / 7.03kB 0.0s
=> => sha256:ca7dd9ec2225f2385955c43b2379305acd51543c28cf1d4e94522b3d94cce3ce 2.81MB / 2.81MB 1.9s
=> => sha256:4ece9ef7a5797feb2ddaf23aee223848643c0baaedaaa203c721aecb6b272b25 231B / 231B 1.2s
=> => sha256:ef27b859822294ab1253f8e09a8712d63ea9939eadd1dc4b595d52726c0b020d 3.06MB / 3.06MB 2.3s
=> => extracting sha256:ca7dd9ec2225f2385955c43b2379305acd51543c28cf1d4e94522b3d94cce3ce 0.2s
=> => extracting sha256:9e124a36b9ab9caae9b9b43bffcb6f6d9f126ab89cf2a8b20b9a6f912df03d36 0.1s
=> => extracting sha256:86456952aa287ca80ac7d7f349dc9edbabda9393ab022d20f2e4c2263cd7d2e7 0.3s
=> => extracting sha256:4ece9ef7a5797feb2ddaf23aee223848643c0baaedaaa203c721aecb6b272b25 0.0s
=> => extracting sha256:ef27b859822294ab1253f8e09a8712d63ea9939eadd1dc4b595d52726c0b020d 0.1s
=> [internal] load build context 0.1s
=> => transferring context: 3.23kB 0.0s
=> [2/4] WORKDIR /app 0.1s
=> [3/4] COPY . /app 0.1s
=> [4/4] RUN pip install -r requirements.txt 4.2s
OUTLINE
TIMELINE
Ln 7, Col 20 Spaces: 4 UTF-8 CRLF Dockerfile Go Live
84°F Haze
Search
ENG IN
13:52 19-11-2022


Docker Desktop Upgrade plan
Search Ctrl+K
mohanraj27
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
Only show running containers
Search
NAME IMAGE STATUS PORT(S) STARTED ACTIONS
minikube 225b9a0f7ef0 gcr.io/k8s-minikube/kicbase:v0.0.36 Exited (255)
admiring_chatelet c1aaf8c2d209 mohanraj27/pet:latest Exited (255)
musing_goldberg e26937dc6525 mohanraj27/pet:latest Exited (255)
beautiful_cray 6be3b34fd519 mohanraj27/pet:latest Running 5000:5000 1 hour ago
friendly_cori 3bf46278c434 <none>:<none> Exited (255) 5000:5000
boring_lichterman 8c9cab4d9788 <none>:<none> Exited (130)
objective_nobel 7e8c6ed436d0 <none>:<none> Created (127) 5000:5000
focused_einstein 369e8cd04708 <none>:<none> Created (127) 5000:5000
funny_wing cb7e0edbbc37 <none>:<none> Created (127) 5000:5000
Showing 10 items
RAM 3.19GB CPU 0.65% Connected to Hub v4.14.0
84°F Haze
Search
ENG IN
13:53 19-11-2022


Docker Desktop
Upgrade plan
Search Ctrl+K
mohanraj27
Containers
Images
Volumes
Dev Environments BETA
Extensions BETA
Add Extensions
Images
Give feedback
An image is a read-only template with instructions for creating a Docker container. Learn more
LOCAL
REMOTE REPOSITORIES
2.97 GB / 4.16 GB in use
17 images
Last refresh: about 12 hours ago
Search
NAME
TAG
STATUS
CREATED
SIZE
ACTIONS
mohanraj27/pet
7cdc10ac823f
latest
In use
about 15 hours ago
1.4 GB
icr.io/mohanraj27/pet
7cdc10ac823f
latest
In use
about 15 hours ago
1.4 GB
<none>
867a5ad29f09
<none>
about 24 hours ago
1.4 GB
pet
8ec116799594
latest
Unused
gcr.io/k8s-minikube/kicbase
866c1fe4e3f2
v0.0.36
In use
hubproxy.docker.internal:5000/docker/desktop-kubernetes
09d7e1dbc2c4
kubernetes-v1
Unused
k8s.gcr.io/kube-apiserver
97801f839490
v1.25.2
Unused
k8s.gcr.io/kube-scheduler
Snipping Tool
Screenshot copied to clipboard and saved
Select here to mark up and share the image
RAM 3.19GB
CPU 0.65%
Connected to Hub
84°F
Haze
Search
ENG
IN
13:53
19-11-2022