

1 create dockefile and python file

```
dhpcsa@dhpcsa-Precision-3640-Tower:~/cloud_fil/docker$ cd assignment_1/
dhpcsa@dhpcsa-Precision-3640-Tower:~/cloud_fil/docker/assignment_1$ ls
dhpcsa@dhpcsa-Precision-3640-Tower:~/cloud_fil/docker/assignment_1$ vi Dockerfile
dhpcsa@dhpcsa-Precision-3640-Tower:~/cloud_fil/docker/assignment_1$ vi tst1.py
dhpcsa@dhpcsa-Precision-3640-Tower:~/cloud_fil/docker/assignment_1$
```

2 docker file

```
FROM python3
RUN mkdir /prg
COPY tst1.py /prg/
CMD ["python3","/prg/tst1.py"]
```

3 py fi

```
ui=input("enter your name \U0001F607 : ")
print(f"\U0001F64F Namaskar {ui} good to see you.")
```

4 create docker image

```
dhpcsa@dhpcsa-Precision-3640-Tower:~/cloud_fil/docker/assignment_1$ docker build -t my_py_img:v1 .
DEPRECATED: The legacy builder is deprecated and will be removed in a future release.
Install the buildx component to build images with BuildKit:
https://docs.docker.com/go/buildx/

Sending build context to Docker daemon 3.072kB
Step 1/4 : FROM python
--> 099bf23b94d9
Step 2/4 : RUN mkdir /prg
--> Running in d3f3f696338f
Removing intermediate container d3f3f696338f
--> b97b7e658dc9
Step 3/4 : COPY tst1.py /prg/
--> f77d6aa812f1
Step 4/4 : CMD ["python3","/prg/tst1.py"]
--> Running in 20a9d2143809
Removing intermediate container 20a9d2143809
--> fd94ed78a653
Successfully built fd94ed78a653
Successfully tagged my_py_img:v1
dhpcsa@dhpcsa-Precision-3640-Tower:~/cloud_fil/docker/assignment_1$
```

5 check images

```
dhpcsa@dhpcsa-Precision-3640-Tower:~/cloud_fil/docker/assignment_1$ docker images
REPOSITORY          TAG             IMAGE ID        CREATED         SIZE
my_py_img            v1              fd94ed78a653   30 seconds ago 1.02GB
python               latest          099bf23b94d9   6 days ago     1.02GB
httpd                latest          fa0099f1c09d   10 days ago    148MB
mysql                latest          65f3f983cb08   2 weeks ago    632MB
ubuntu               latest          ca2b0f26964c   6 weeks ago    77.9MB
gcr.io/k8s-minikube/kicbase v0.0.42        dbc648475405   5 months ago   1.2GB
dhpcsa@dhpcsa-Precision-3640-Tower:~/cloud_fil/docker/assignment_1$
```

6 run the container

```
dhpcsa@dhpcsa-Precision-3640-Tower:~/cloud_fil/docker/assignment_1$ docker run --rm -ti --name mpypythonapp my_py_img:v1
enter your name 😊 : ankur jadhav
👋 Namaskar ankur jadhav good to see you.
dhpcsa@dhpcsa-Precision-3640-Tower:~/cloud_fil/docker/assignment_1$
```

7 push docker image to docker hub

```
dhpcsa@dhpcsa-Precision-3640-Tower:~/cloud_fil/docker/assignment_1$ docker images
REPOSITORY          TAG             IMAGE ID        CREATED         SIZE
my_py_img            v1              fd94ed78a653   8 minutes ago  1.02GB
shree028/pygreet     v1              fd94ed78a653   8 minutes ago  1.02GB
python               latest          099bf23b94d9   6 days ago     1.02GB
httpd                latest          fa0099f1c09d   10 days ago    148MB
mysql                latest          65f3f983cb08   2 weeks ago    632MB
ubuntu               latest          ca2b0f26964c   6 weeks ago    77.9MB
gcr.io/k8s-minikube/kicbase v0.0.42        dbc648475405   5 months ago   1.2GB
dhpcsa@dhpcsa-Precision-3640-Tower:~/cloud_fil/docker/assignment_1$ docker push shree028/pygreet:tagname
The push refers to repository [docker.io/shree028/pygreet]
tag does not exist: shree028/pygreet:tagname
dhpcsa@dhpcsa-Precision-3640-Tower:~/cloud_fil/docker/assignment_1$ docker push shree028/pygreet:v1
The push refers to repository [docker.io/shree028/pygreet]
19cd15ef5000: Pushed
663e0fe2f7d6: Pushed
1453d25d153a: Mounted from library/python
ace481fa6a3e: Mounted from library/python
ea4538b98d90: Mounted from library/python
86388e04a96b: Mounted from library/python
893507f6057f: Mounted from library/python
2353f7120e0e: Mounted from library/python
51a9318e6edf: Mounted from library/python
c5bb35826823: Mounted from library/python
v1: digest: sha256:c29edca8fae83e481f56040cb936525a036571c3b648a9faf7dec0db716d2bb5 size: 2420
dhpcsa@dhpcsa-Precision-3640-Tower:~/cloud_fil/docker/assignment_1$
```

8 image on docker hub

General

Tags

Builds

Collaborators

Webhooks

Settings

shree028/pygreet

Updated about 11 hours ago

greeting to py user

This repository does not have a category

Docker commands

To push a new tag to this repository:

docker push shree028/pygreet:tagname

Tags

This repository contains 1 tag(s).

Tag	OS	Type	Pulled	Pushed
v1		Image	---	11 hours 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