

```
Last login: Sun Jan 14 16:48:05 on ttys012
divyabhamerkar@Divyas-MBP ~ % docker pull alpine
Using default tag: latest
latest: Pulling from library/alpine
Digest: sha256:51b67269f354137899cd43f3b3d810bfacd3945438e94dc5ac55fdac340352f48
Status: Image is up to date for alpine:latest
docker.io/library/alpine:latest
```

What's Next?

View a summary of image vulnerabilities and recommendations → [docker scout quickview alpine](#)

divyabhamerkar@Divyas-MBP ~ % docker images

REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
ubuntu	latest	da935f054913	4 weeks ago	69.3MB
alpine	latest	1dc785547989	5 weeks ago	7.73MB
moby/buildkit	buildx-stable-1	5e52d49c7aeb	6 weeks ago	168MB
ubuntu	12.04	5b17aed08076	6 years ago	104MB
dockersamples/static-site	latest	f589ccde7957	7 years ago	191MB

divyabhamerkar@Divyas-MBP ~ % docker run alpine ls -l

total 56

drwxr-xr-x	2	root	root	4896	Dec 7 09:45	bin
drwxr-xr-x	5	root	root	340	Jan 14 21:50	dev
drwxr-xr-x	1	root	root	4896	Jan 14 21:50	etc
drwxr-xr-x	2	root	root	4896	Dec 7 09:45	home
drwxr-xr-x	7	root	root	4896	Dec 7 09:45	lib
drwxr-xr-x	5	root	root	4896	Dec 7 09:45	media
drwxr-xr-x	2	root	root	4896	Dec 7 09:45	mnt
drwxr-xr-x	2	root	root	4896	Dec 7 09:45	opt
dr-xr-xr-x	228	root	root	0	Jan 14 21:50	proc
drwxr-xr-x	2	root	root	4896	Dec 7 09:45	root
drwxr-xr-x	2	root	root	4896	Dec 7 09:45	run
drwxr-xr-x	2	root	root	4896	Dec 7 09:45	sbin
drwxr-xr-x	2	root	root	4896	Dec 7 09:45	srv
dr-xr-xr-x	12	root	root	0	Jan 14 21:50	sys
drwxrwxrwt	2	root	root	4896	Dec 7 09:45	tmp
drwxr-xr-x	7	root	root	4896	Dec 7 09:45	usr
drwxr-xr-x	12	root	root	4896	Dec 7 09:45	var

divyabhamerkar@Divyas-MBP ~ % docker run alpine echo "hello from alpine"

hello from alpine

divyabhamerkar@Divyas-MBP ~ % docker run alpine /bin/sh

divyabhamerkar@Divyas-MBP ~ % docker ps

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
divyabhamerkar@Divyas-MBP ~ % docker ps -a						
CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
bd5922b52a06	alpine	"/bin/sh"	22 seconds ago	Exited (0) 22 seconds ago		dreamy_bassi
ca39a4e424d1	alpine	"echo 'hello from al..."	38 seconds ago	Exited (0) 38 seconds ago		silly_kirch
f65477534b0	alpine	"ls -l"	43 seconds ago	Exited (0) 42 seconds ago		adoring_moser
32a893571d5a	alpine	"/bin/sh"	2 hours ago	Exited (127) 2 hours ago		sweet_hypatia
80f779682196	alpine	"echo 'hello from al..."	2 hours ago	Exited (0) 2 hours ago		keen_lalande
4d76dc0bf72c	alpine	"ls -l"	2 hours ago	Exited (0) 2 hours ago		inspiring_elbakyan
4b6bc455372e	alpine	"ls -l"	2 hours ago	Created		inspiring_lamarr

divyabhamerkar@Divyas-MBP ~ %

```
divyabhamerkar@Divyas-MBP ~ % docker run -it alpine /bin/sh
/ # ls
bin  dev  etc  home  lib  media  mnt  opt  proc  root  run  sbin  srv  sys  tmp  usr  var
/ # uname -a
Linux 9b8c16391241 6.5.11-linuxkit #1 SMP PREEMPT Wed Dec 6 17:08:31 UTC 2023 aarch64 Linux
/ #
```

```
Last login: Sun Jan 14 16:50:03 on ttys012
divyabhamerkar@Divyas-MBP ~ % docker run hello-world
Unable to find image 'hello-world:latest' locally
latest: Pulling from library/hello-world
478afc919002: Pull complete
Digest: sha256:4bd78111b691aa99dbcc560e6a20ea57ff6655aea4a80c50b0c5491968cbc2e6
Status: Downloaded newer image for hello-world:latest
```

Hello from Docker!

This message shows that your installation appears to be working correctly.

To generate this message, Docker took the following steps:

1. The Docker client contacted the Docker daemon.
2. The Docker daemon pulled the "hello-world" image from the Docker Hub. (arm64v8)
3. The Docker daemon created a new container from that image which runs the executable that produces the output you are currently reading.
4. The Docker daemon streamed that output to the Docker client, which sent it to your terminal.

To try something more ambitious, you can run an Ubuntu container with:

```
$ docker run -it ubuntu bash
```

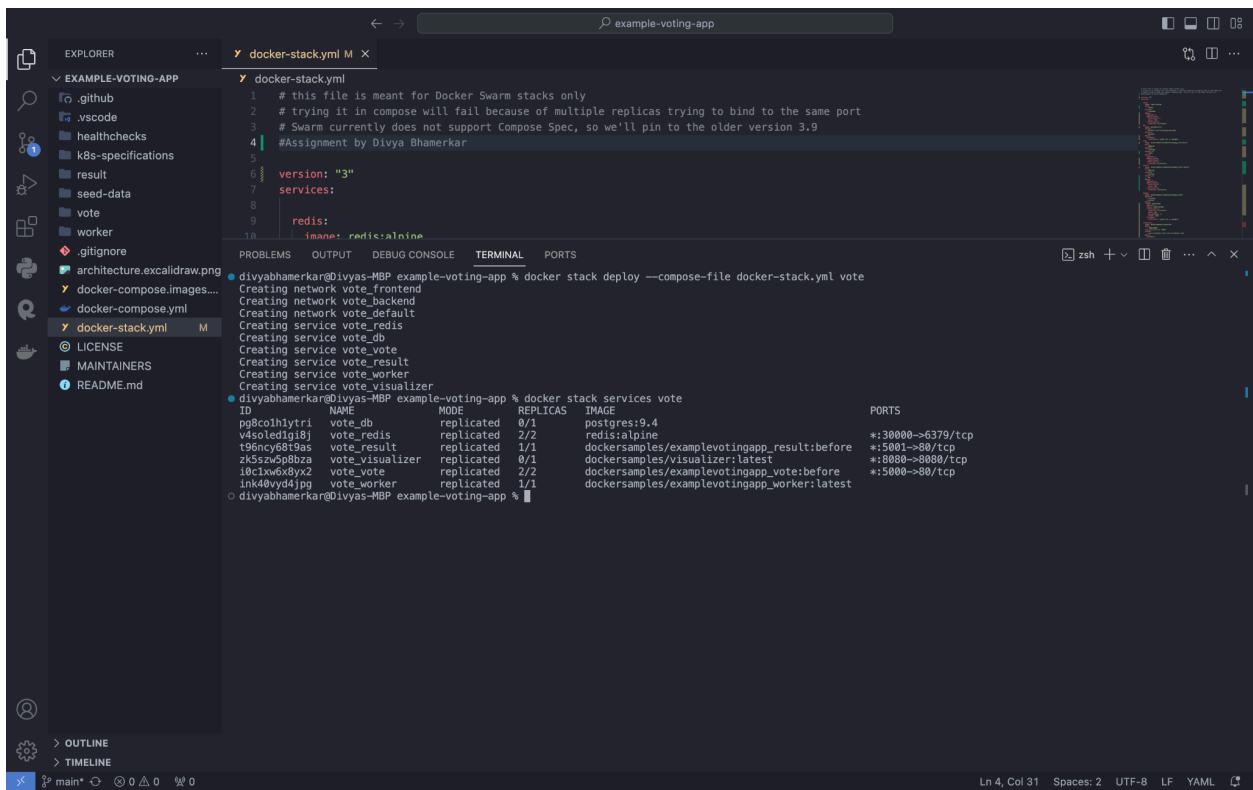
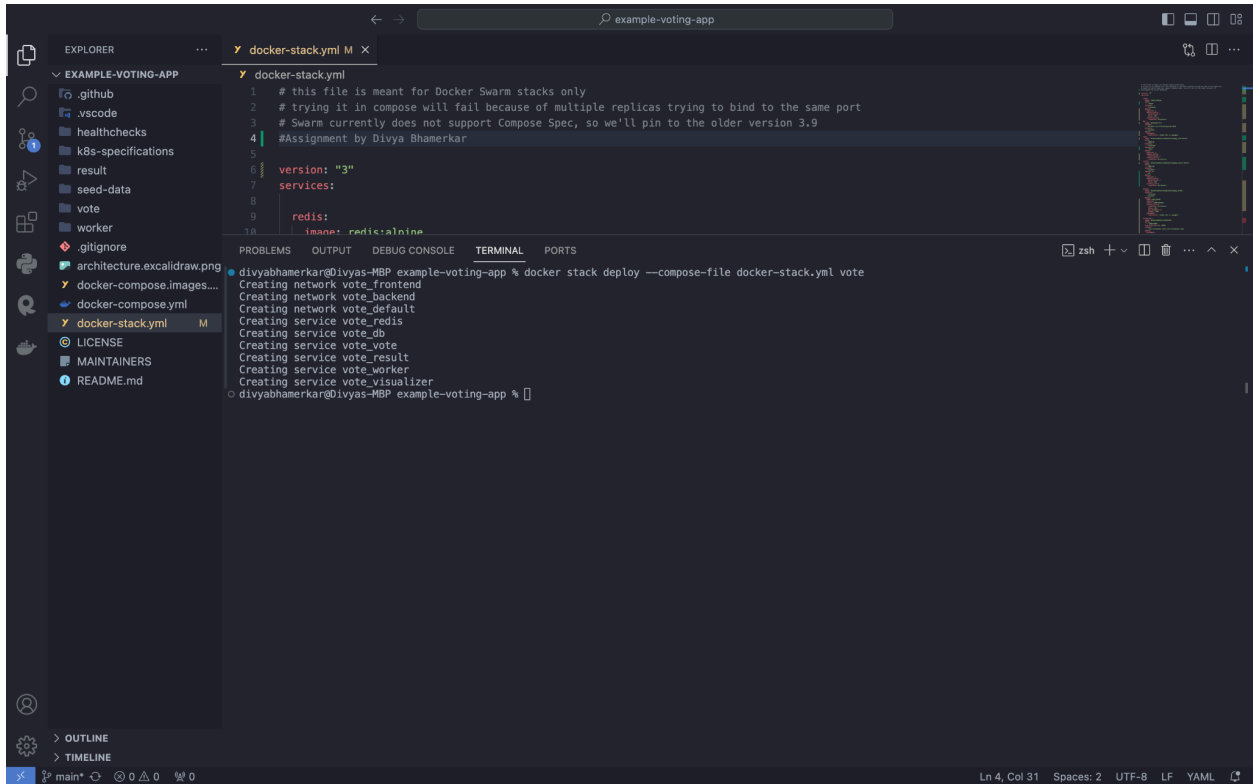
Share images, automate workflows, and more with a free Docker ID:

<https://hub.docker.com/>

For more examples and ideas, visit:

<https://docs.docker.com/get-started/>

divyabhamerkar@Divyas-MBP ~ %



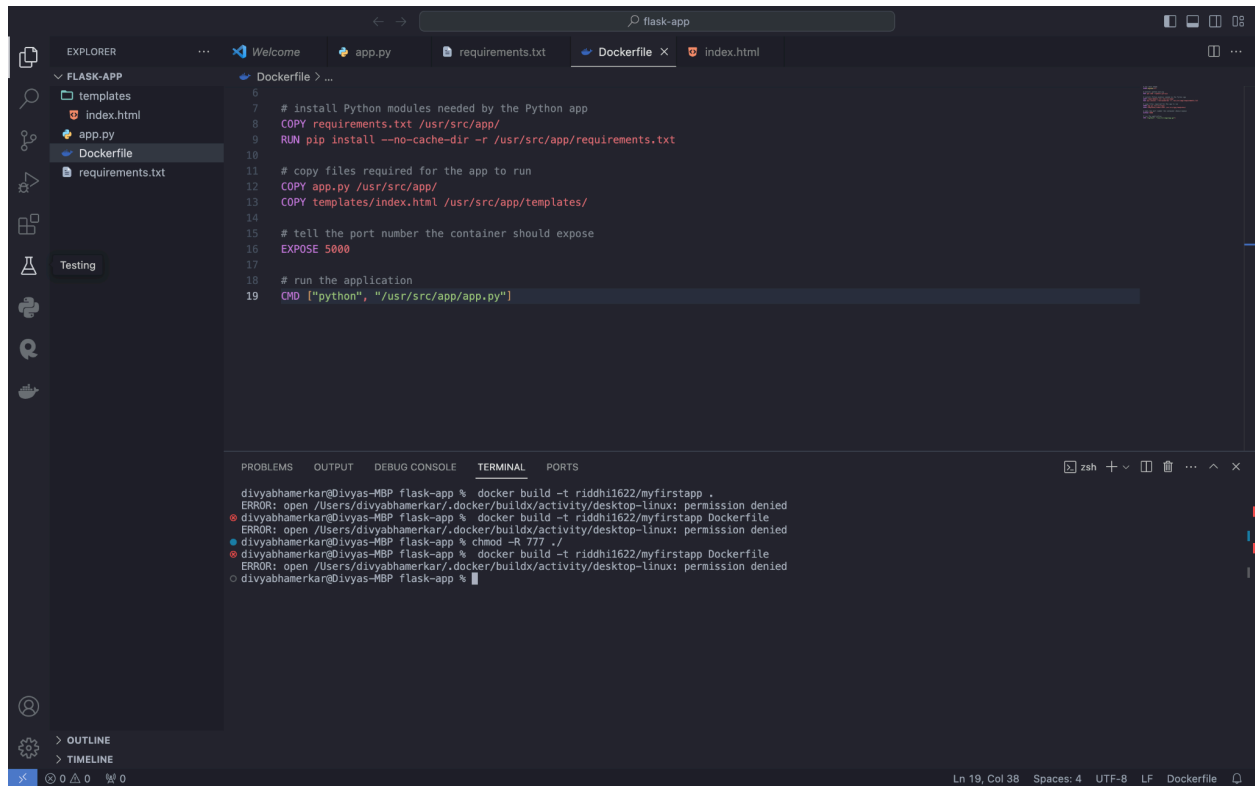
```
Last login: Sun Jan 14 14:31:44 on ttyS012
divyabhamerkar@Divyas-MBP ~ % docker ps
CONTAINER ID   IMAGE     COMMAND   CREATED   STATUS    PORTS   NAMES
divyabhamerkar@Divyas-MBP ~ % docker ps -a
CONTAINER ID   IMAGE     COMMAND   CREATED   STATUS    PORTS   NAMES
4a575adb7c84   alpine    "/bin/sh"   4 minutes ago   Exited (0) 4 minutes ago   optimistic_agnes
80f779682196   alpine    "echo 'hello from al.'"   5 minutes ago   Exited (0) 5 minutes ago   keen_lalande
4d76dcdbf72c   alpine    "ls -l"     7 minutes ago   Exited (0) 7 minutes ago   inspiring_elbakyan
4b6bc456372e   alpine    "ls -l"     7 minutes ago   Created                inspiring_lamarr
divyabhamerkar@Divyas-MBP ~ % docker run -it alpine /bin/sh
/ # ls
bin      dev      etc      home    lib      media   mnt      opt      proc     root     run      sbin     srv      sys      tmp      usr      var
/ # uname -a
Linux 32a893571d5a 6.5.11-linuxkit #1 SMP PREEMPT Wed Dec 6 17:08:31 UTC 2023 aarch64 Linux
/ # docker run -d dockersamples/static-site
/bin/sh: docker: not found
/ # exit
divyabhamerkar@Divyas-MBP ~ % docker run -d dockersamples/static-site
Unable to find image 'dockersamples/static-site:latest' locally
latest: Pulling from dockersamples/static-site
fdd6d7827f33: Pull complete
a3ed95cae802: Pull complete
716f7a5f3082: Pull complete
7b16f83a8309: Pull complete
a7f3ab7e9c39: Pull complete
Digest: sha256:daa86cc61d7d239b7977e72157997489db49f316b9b9af3909d9f10fd28b2dec
Status: Downloaded newer image for dockersamples/static-site:latest
WARNING: The requested image's platform (linux/amd64) does not match the detected host platform (linux/arm64/v8) and no specific platform was requested
d845f8e4b6f1 dockersamples/static-site "/bin/sh -c 'cd /usr..." 29 seconds ago Up 29 seconds 80/tcp, 443/tcp wonderful_dirac
divyabhamerkar@Divyas-MBP ~ % docker run -d dockersamples/static-site
WARNING: The requested image's platform (linux/amd64) does not match the detected host platform (linux/arm64/v8) and no specific platform was requested
bd79145f472953d954f39408cf382e263e0aef6114f84bd822f2ddc588cc30e
divyabhamerkar@Divyas-MBP ~ % docker ps
CONTAINER ID   IMAGE     COMMAND   CREATED   STATUS    PORTS   NAMES
bd79145f4729   dockersamples/static-site   "/bin/sh -c 'cd /usr..." 29 seconds ago   Up 29 seconds   80/tcp, 443/tcp   wonderful_dirac
d845f8e4b6f1   dockersamples/static-site   "/bin/sh -c 'cd /usr..." 3 minutes ago     Up 3 minutes     80/tcp, 443/tcp   sad_shtern
Error response from daemon: No such container: a7a0e504ca3e
divyabhamerkar@Divyas-MBP ~ % docker stop 4a575adb7c84
4a575adb7c84
divyabhamerkar@Divyas-MBP ~ % docker rm 4a575adb7c84
4a575adb7c84
divyabhamerkar@Divyas-MBP ~ % docker run --name static-site -e AUTHOR="DIVYA BHAMERKAR" -d -P dockersamples/static-site
WARNING: The requested image's platform (linux/amd64) does not match the detected host platform (linux/arm64/v8) and no specific platform was requested
29e2f01eaafecb729b132b0a913b02b0a7f3ab595ea82b533c1a79fc2aaab46
divyabhamerkar@Divyas-MBP ~ % docker port static-site
80/tcp -> 0.0.0.0:55001
443/tcp -> 0.0.0.0:55000
divyabhamerkar@Divyas-MBP ~ %
```



Hello Divya Bhamerkar!

This is being served from a **docker**
container running Nginx.



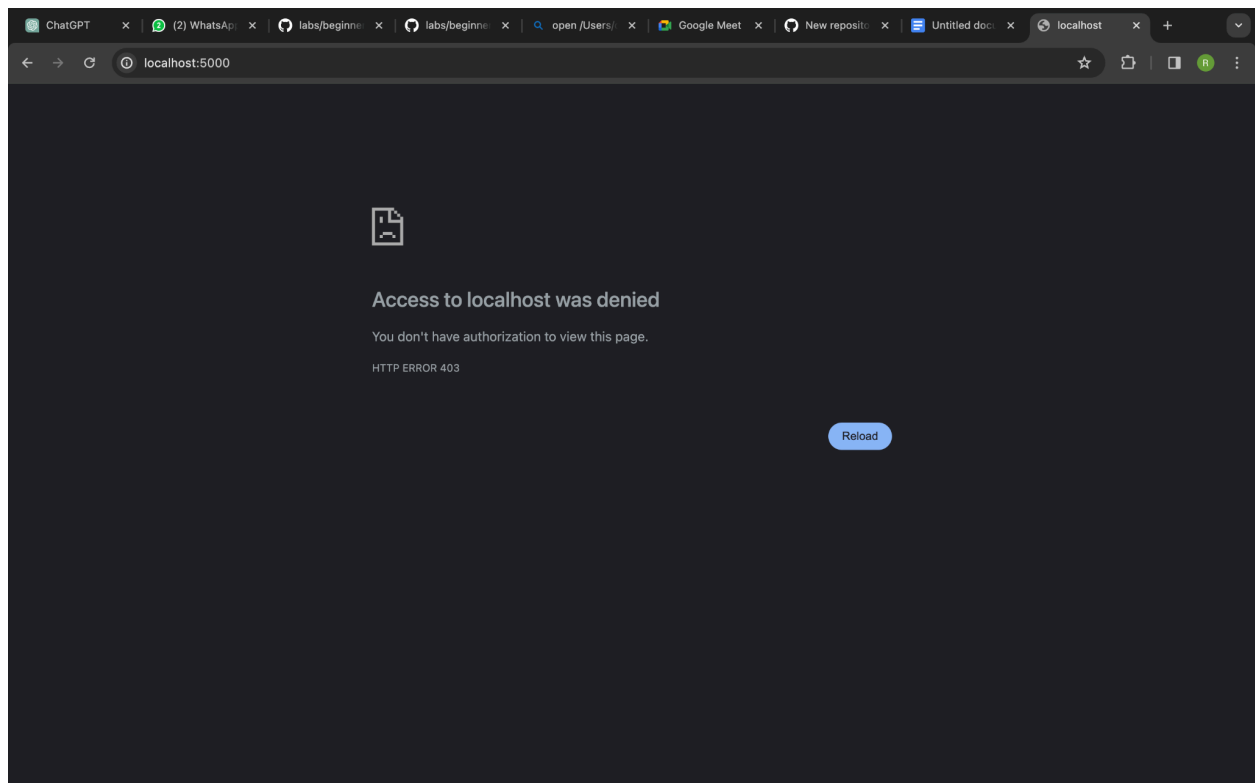


The image shows a Visual Studio Code editor window with a dark theme. The Explorer sidebar on the left shows a project named 'FLASK-APP' with files: 'templates', 'index.html', 'app.py', 'Dockerfile', and 'requirements.txt'. The Dockerfile is open in the main editor, showing the following content:

```
Dockerfile > ...
6
7 # install Python modules needed by the Python app
8 COPY requirements.txt /usr/src/app/
9 RUN pip install --no-cache-dir -r /usr/src/app/requirements.txt
10
11 # copy files required for the app to run
12 COPY app.py /usr/src/app/
13 COPY templates/index.html /usr/src/app/templates/
14
15 # tell the port number the container should expose
16 EXPOSE 5000
17
18 # run the application
19 CMD ["python", "/usr/src/app/app.py"]
```

Below the editor, the TERMINAL panel shows the output of several Docker commands:

```
divyabhamerkarg@divyas-MBP flask-app % docker build -t riddhi1622/myfirstapp .
ERROR: open /Users/divyabhamerkarg/.docker/buildx/activity/desktop-linux: permission denied
divyabhamerkarg@divyas-MBP flask-app % docker build -t riddhi1622/myfirstapp Dockerfile
ERROR: open /Users/divyabhamerkarg/.docker/buildx/activity/desktop-linux: permission denied
divyabhamerkarg@divyas-MBP flask-app % chmod -R 777 ./
divyabhamerkarg@divyas-MBP flask-app % docker build -t riddhi1622/myfirstapp Dockerfile
ERROR: open /Users/divyabhamerkarg/.docker/buildx/activity/desktop-linux: permission denied
divyabhamerkarg@divyas-MBP flask-app %
```



Code File Edit Selection View Go Run Terminal Window Help

example-voting-app

EXPLORER

EXAMPLE-VOTING-APP

- .github
- .vscode
- healthchecks
- k8s-specifications
- result
- seed-data
- vote
- worker
- .gitignore
- architecture.excalidraw.png
- docker-compose.images...
- docker-compose.yml
- docker-stack.yml M
- LICENSE
- MAINTAINERS
- README.md

docker-stack.yml

```
version: "3"
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

divyabhamerkar@divyas-MBP example-voting-app % docker stack deploy --compose-file docker-stack.yml vote

Updating service vote_vote (id: 48c1xw6x8yx2qpbvgf662f6mh)

Updating service vote_result (id: t96ncy68t9asu3dm7ie7j2b23)

Updating service vote_worker (id: ink40vyd4jgg6015zu4wjcit)

Updating service vote_visualizer (id: zk5szw5p8bzacd4chlgzj5k8)

Updating service vote_redis (id: v4s0led1gi8jy5ah3g3bafic0)

Updating service vote_db (id: pg8coihytrigtbauzgtnk49y)

divyabhamerkar@divyas-MBP example-voting-app % docker stack services vote

ID	NAME	MODE	REPLICAS	IMAGE	PORTS
pg8coihytri	vote_db	replicated	0/1	postgres:9.4	
v4s0led1gi8j	vote_redis	replicated	2/2	redis:alpine	*:3000->6379/tcp
t96ncy68t9as	vote_result	replicated	1/1	dockersamples/examplevotingapp_result:before	*:5001->80/tcp
zk5szw5p8bz	vote_visualizer	replicated	0/1	dockersamples/visualizer:latest	*:8080->8080/tcp
48c1xw6x8yx2	vote_vote	replicated	2/2	dockersamples/examplevotingapp_votes:before	*:5000->80/tcp
ink40vyd4jgg	vote_worker	replicated	1/1	dockersamples/examplevotingapp_worker:latest	

divyabhamerkar@divyas-MBP example-voting-app %

Ln 89, Col 11 Spaces: 2 UTF-8 LF YAML

