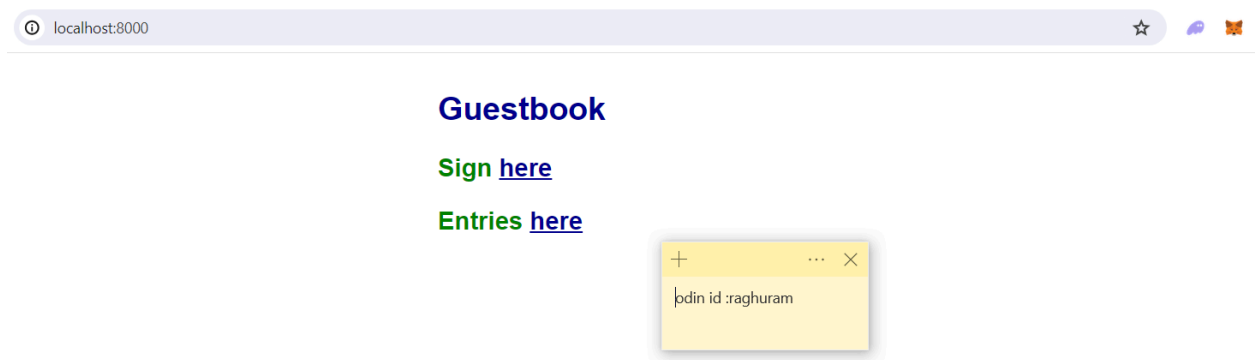


## 04.3: Homework #3

### 2. Assignment



- 
- Show (via 2 screenshots) the size of both containers on Docker Hub by clicking on "Tags".



raghuramdoc/hw3small:latest

Delete Tag

MANIFEST DIGEST sha256:e276f05503a149b9ade7ff12735cf35d85dff93d17dadeb15a8bed4ca4cd6dee

OS/ARCH	COMPRESSED SIZE	LAST PUSHED	TYPE	MANIFEST DIGEST
linux/amd64	34.04 MB	16 minutes ago by <a href="#">raghuramdoc</a>	Image	sha256:e276f055...

Image Layers Vulnerabilities

IMAGE LAYERS

1	ADD file ... in /	3.25 MB
2	CMD ["/bin/sh"]	0 B
3	ENV PATH=/usr/local/bin:/usr/local/sbin:/usr/local/_	0 B
4	ENV LANG=C.UTF-8	0 B
5	RUN /bin/sh -c set -eux;	605.08 KB

Command  
ADD file:37a76ec18f9887751cd8473744917d08b7431fc4085097bb6a09d81b41775473 in /



raghuramdoc/hw3large:latest

Delete Tag

MANIFEST DIGEST sha256:cb262528e8fd5a5f1b6fb720b7cb79e8731ef6a4fd13fe788bf7f80e4178454d

OS/ARCH	COMPRESSED SIZE	LAST PUSHED	TYPE	MANIFEST DIGEST
linux/amd64	168.38 MB	an hour ago by <a href="#">raghuramdoc</a>	Image	sha256:cb262528...

Image Layers Vulnerabilities

IMAGE LAYERS

1	ARG RELEASE	0 B
2	ARG LAUNCHPAD_BUILD_ARCH	0 B
3	LABEL org.opencontainers.image.ref.name=ubuntu	0 B
4	LABEL org.opencontainers.image.version=20.04	0 B
5	ADD file ... in /	26.24 MB
6	CMD ["/bin/bash"]	0 B

Command  
ARG RELEASE

- On your Ubuntu VM, delete all containers and container images using `docker ps`, `docker stop`, `docker rm`, and `docker rmi`. Then, use `docker run` to instantiate each of your container images on Docker Hub and ensure it maps the Ubuntu VM's port 8000 to the container's port 5000. Show the console output displaying the container image layers being pulled. Perform a `wget` to your container (e.g. <http://localhost:8000>) and show that it returns your landing page.

```
raghuran@course-vm:~$ docker pull raghuramdoc/hw3large
Using default tag: latest
latest: Pulling from raghuramdoc/hw3large
d4c3c94e5e10: Pull complete
568dc5c91fe9: Pull complete
4491b10edb8d: Pull complete
bcb688d2c9ed: Pull complete
4f4fb700ef54: Pull complete
246daf45c0a8: Pull complete
Digest: sha256:cb262528e8fd5a5f1b6fb720b7cb79e8731ef6a4fd13fe788bf7f80e4178454d
Status: Downloaded newer image for raghuramdoc/hw3large:latest
docker.io/raghuramdoc/hw3large:latest
```

```
raghuran@course-vm:~$ docker pull raghuramdoc/hw3small
Using default tag: latest
latest: Pulling from raghuramdoc/hw3small
4abcf2066143: Pull complete
c3cdf40b8bda: Pull complete
3a6cecfe7003: Pull complete
60d2faee92e7: Pull complete
b62713ed4827: Pull complete
da7b2980b063: Pull complete
4f4fb700ef54: Pull complete
8df7d7054114: Pull complete
Digest: sha256:e276f05503a149b9ade7ff12735cf35d85dff93d17dadeb15a8bed4ca4cd6dee
Status: Downloaded newer image for raghuramdoc/hw3small:latest
docker.io/raghuramdoc/hw3small:latest
```

```
raghuran@course-vm:~$ docker images
```

REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
raghuramdoc/hw3small	latest	e2ce40f8e3a0	2 hours ago	99.9MB
raghuramdoc/hw3large	latest	d33632dd4117	3 hours ago	478MB

```
raghuran@course-vm:~$
```

```
raghuran@course-vm:~$ docker run -p 8000:500 --name guestbook -di raghuramdoc/hw3large
1b6fcd0eed808a3a1f45da85e6ce349b4408c06d7f18708a326b47e250786eb5
raghuran@course-vm:~$ docker ps -a
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
1b6fcd0eed80	raghuramdoc/hw3large	"python3 app.py"	10 seconds ago	Up 9 seconds	0.0.0.0:8000->500/tcp, :::8000->500/tcp	guestbook

```
raghuran@course-vm:~$ wget -O index_large.html http://localhost:8000
```

```
raghuras@course-vm:~$ cat index.html.2
<!doctype html>
<html>
<title>My Visitors</title>
<link rel=stylesheet type=text/css href="/static/style.css">
<div class=page>

<h2>Guestbook</h2>

<h3>Sign <a href="/sign">here</a></h3>
<h3>Entries <a href="/entries">here</a></h3>

</div>
```

```
raghuras@course-vm:~$ docker run -p 8000:500 --name guestbook -di raghurasdoc/hw3small
9dc61539cee09c662b3411d5a4f1dcdbd1f2a5ac7dcc4771b30a80b3abc7c55f
raghuras@course-vm:~$ docker ps -a
CONTAINER ID   IMAGE               COMMAND                  CREATED        STATUS        PORTS                               NAMES
9dc61539cee0   raghurasdoc/hw3small  "python3 app.py"         17 seconds ago Up 17 seconds  0.0.0.0:8000->500/tcp, :::8000->500/tcp  guestbook
raghuras@course-vm:~$ wget -o indexsmall.html http://localhost:8000
```

```
raghuras@course-vm:~$ cat index.html.3
<!doctype html>
<html>
<title>My Visitors</title>
<link rel=stylesheet type=text/css href="/static/style.css">
<div class=page>

<h2>Guestbook</h2>

<h3>Sign <a href="/sign">here</a></h3>
<h3>Entries <a href="/entries">here</a></h3>

</div>
```