

Layer pulls from Dockerhub to run the web application:

```
emmak@Arturiantech MINGW64 ~/Desktop/Projects/PythonStuff/hw1/cloud-arthur-emmanart (main)
$ docker run --name hw3large --rm -p 8000:5000 emmanart/hw3large
Unable to find image 'emmanart/hw3large:latest' locally
latest: Pulling from emmanart/hw3large
baa213b22660: Pull complete
5555672d311b: Pull complete
e98817f7cea9: Pull complete
2302b3b0424d: Pull complete
4f4fb700ef54: Pull complete
Digest: sha256:63c01b3d6582e510c51fc0be629835127ede9fd32a86f97c0bc6b00699925496
Status: Downloaded newer image for emmanart/hw3large:latest
 * Serving Flask app 'app'
 * Debug mode: on
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
 * Running on all addresses (0.0.0.0)
 * Running on http://127.0.0.1:5000
 * Running on http://172.17.0.2:5000
Press CTRL+C to quit
 * Restarting with stat
 * Debugger is active!
 * Debugger PIN: 490-291-769
172.17.0.1 - - [31/Oct/2025 05:54:07] "GET / HTTP/1.1" 200 -
emmak@Arturiantech MINGW64 ~/Desktop/Projects/PythonStuff/hw1/cloud-arthur-emmanart (main)
$ docker run --name hw3small --rm -p 8000:5000 emmanart/hw3small
Unable to find image 'emmanart/hw3small:latest' locally
Unable to find image 'emmanart/hw3small:latest' locally
latest: Pulling from emmanart/hw3small
83530ee4b59a: Pull complete
5fa742b7127a: Pull complete
89b5e64b2394: Pull complete
996b87e7b203: Pull complete
Digest: sha256:149cf665a542d6f47de938aa621cc86e83d357ccb8bd1f4753bf0c71ebdabec9
Status: Downloaded newer image for emmanart/hw3small:latest
 * Serving Flask app 'app'
 * Debug mode: on
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
 * Running on all addresses (0.0.0.0)
 * Running on http://127.0.0.1:5000
 * Running on http://172.17.0.2:5000
Press CTRL+C to quit
```



Ctrl+K to generate command

Wget results:

```
root@Arturiantech:/mnt/c/Users/emmak/Desktop/Projects/PythonStuff/hw1/cloud-arthur-emmanart# ^C
root@Arturiantech:/mnt/c/Users/emmak/Desktop/Projects/PythonStuff/hw1/cloud-arthur-emmanart# wget -qO page-large.html http://localhost:8000
root@Arturiantech:/mnt/c/Users/emmak/Desktop/Projects/PythonStuff/hw1/cloud-arthur-emmanart# head -n 20 page-large.html
<html>
<title>My Song Collection</title>
<link rel=stylesheet type=text/css href="/static/style.css">
<div class=page>

<h2>Songs Collection</h2>
<p><a href="/view/">View All Songs</a></p>
<p><a href="/sign/">Add New Song</a></p>

</div>
root@Arturiantech:/mnt/c/Users/emmak/Desktop/Projects/PythonStuff/hw1/cloud-arthur-emmanart# wget -qO page-small.html http://localhost:8000
root@Arturiantech:/mnt/c/Users/emmak/Desktop/Projects/PythonStuff/hw1/cloud-arthur-emmanart# head -n 20 page-small.html
<html>
<title>My Song Collection</title>
<link rel=stylesheet type=text/css href="/static/style.css">
<div class=page>

<h2>Songs Collection</h2>
<p><a href="/view/">View All Songs</a></p>
<p><a href="/sign/">Add New Song</a></p>

</div>
```

Ctrl+K to generate command



Tags for the two docker images in Dockerhub:

The screenshot shows the Dockerhub interface for the repository `emmanart/hw3small`. The repository was last pushed 23 minutes ago and has a size of 18.6 MB. It contains one tag, `latest`, which was pushed 23 minutes ago by `emmanart`. The tag details show a digest of `4a813e78b38a`, OS/ARCH as `linux/amd64`, and a last pull less than 1 day ago. The compressed size is 18.6 MB.

Odin ID: emmanart

Docker commands: `docker push emmanart/hw3small:tagname`

TAG	Digest	OS/ARCH	Last pull	Compressed size
<code>latest</code>	4a813e78b38a	<code>linux/amd64</code>	less than 1 day	18.6 MB

The screenshot shows the Dockerhub interface for the repository `emmanart/hw3large`. The repository was last pushed 21 minutes ago and has a size of 169 MB. It contains one tag, `latest`, which was pushed 21 minutes ago by `emmanart`. The tag details show a digest of `034d7bb65b96`, OS/ARCH as `linux/amd64`, and a last pull less than 1 day ago. The compressed size is 168.95 MB.

Odin ID: emmanart

Docker commands: `docker push emmanart/hw3large:tagname`

TAG	Digest	OS/ARCH	Last pull	Compressed size
<code>latest</code>	034d7bb65b96	<code>linux/amd64</code>	less than 1 day	168.95 MB