

# Hands-on L3: Containers with Docker

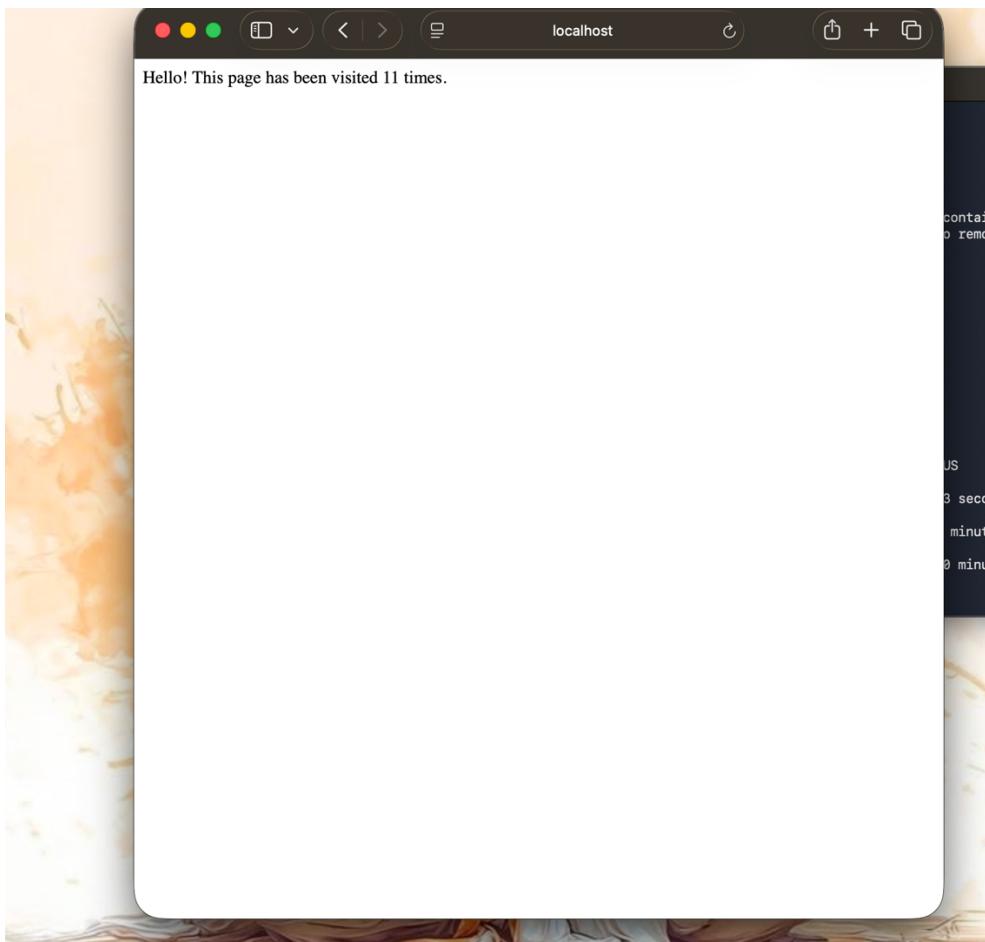
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GIT HUB LINK: <https://github.com/VAISHNAVREDDYDANDU/docker-flask-redis.git>

BROWSER OUTPUT IMAGE:



## DOCKER CONTAINER :

The screenshot shows the Docker Desktop application interface. The left sidebar has a 'Containers' section selected. The main area displays three running containers in a table:

	Name	Container ID	Image	Port(s)	CPU (%)	Last st.	Actions
<input type="checkbox"/>	postgres1	3fc963c94e8	postgres	5432:5432	0.01%	24 min	<span>Stop</span> <span>⋮</span> <span>Remove</span>
<input type="checkbox"/>	redis	e12a23a66858	redis	6379:6379	0.33%	8 min	<span>Stop</span> <span>⋮</span> <span>Remove</span>
<input type="checkbox"/>	flask-container	ff64bd88eee5	flask-app	5001:5000	0.02%	4 min	<span>Stop</span> <span>⋮</span> <span>Remove</span>

Below the table, there's a 'Walkthroughs' section with two cards:

- Multi-container applications** (8 mins)
- Containerize your application** (\$ docker init) (3 mins)

At the bottom, status information includes 'Engine running', system resources (RAM 1.95 GB, CPU 0.10%, Disk 2.11 GB used / limit 452.13 GB), and the version 'v4.59.1'.

## TERMINAL OUTPUT :

```
Last login: Tue Feb  3 14:34:51 on ttys000
|vaishnavreddydandu@Mac-565 ~ % docker ps
CONTAINER ID        IMAGE               COMMAND      CREATED     STATUS      PORTS      NAMES
|vaishnavreddydandu@Mac-565 ~ % docker pull postgres
Using default tag: latest
latest: Pulling from library/postgres
fff4254acf1b4: Pull complete
f32361186ebf: Pull complete
fe31ef294d19: Pull complete
3ea009573047: Pull complete
558ea91a121f: Pull complete
5ac969db27e8: Pull complete
912e427814f6: Pull complete
ae07b813da39: Pull complete
85c95ea8f463: Pull complete
12fcf79c3b9e: Pull complete
07c5caba37f70: Pull complete
b0bc5be7c491: Pull complete
c6b138d3dcbb4: Pull complete
13b0032dc18f: Download complete
b6cbc35dc396: Download complete
Digest: sha256:3bb77a0759ce8b8d8e0fe6d9b063adf20b9ccaa1068a1bcd054cac71a69ce0ca6
Status: Downloaded newer image for postgres:latest
docker.io/library/postgres:latest
|vaishnavreddydandu@Mac-565 ~ % docker run -d -p 5432:5432 --name postgres1 -e POSTGRES_PASSWORD=pass12345 postgres
3fcfa963c94e81580f39ea003855ddd2729a2f808056b4a048745c82c95bd3297
|vaishnavreddydandu@Mac-565 ~ % docker ps
CONTAINER ID        IMAGE               COMMAND      CREATED     STATUS      PORTS      NAMES
3fcfa963c94e8    postgres   "docker-entrypoint.s..."  55 seconds ago   Up 54 seconds  0.0.0.0:5432->5432/tcp, [::]:5432->5432/tcp  postgres1
|vaishnavreddydandu@Mac-565 ~ %
```

