

## Hands-on L3: Containers with Docker

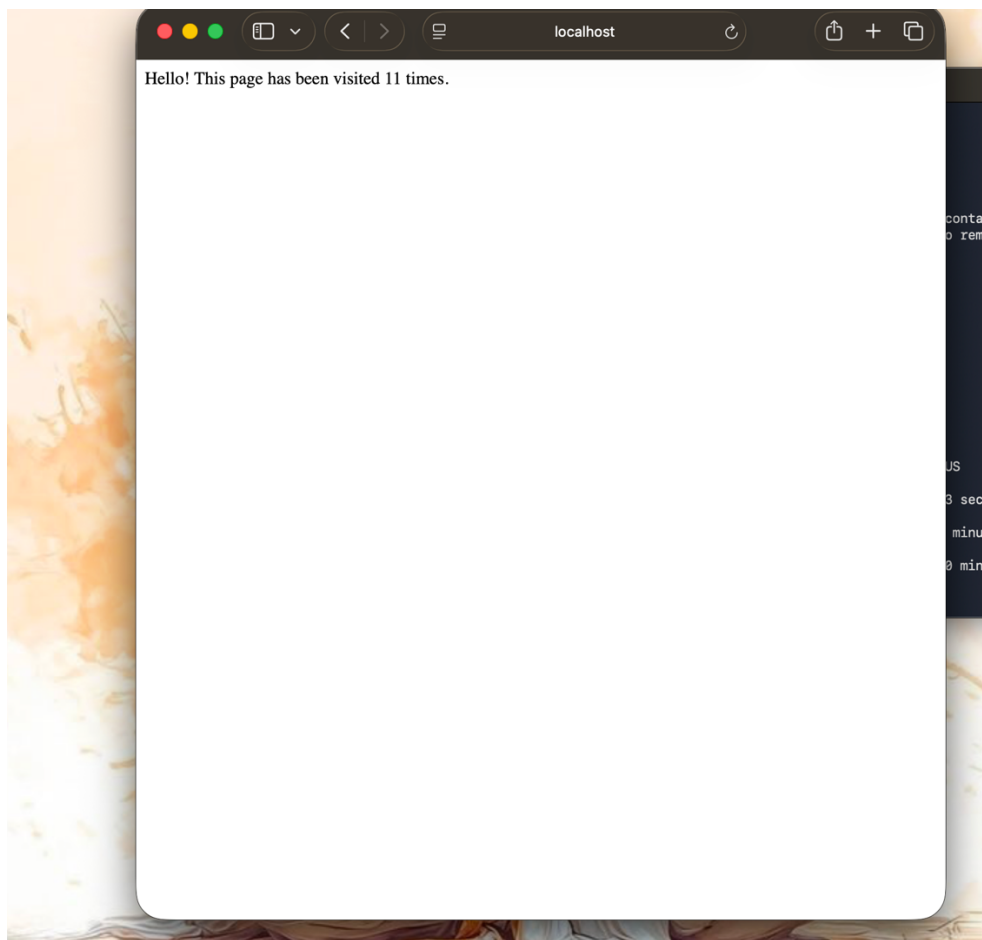
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GIT HUB LINK: <https://github.com/VAISHNAVREDDYDANDU/docker-flask-redis.git>

BROWSER OUTPUT IMAGE:



## DOCKER CONTAINER :

The screenshot displays the Docker Desktop application window. The top bar includes the Docker logo, a search bar, and system icons. The left sidebar contains navigation options: Ask Gordon (BETA), Containers (selected), Images, Volumes, Kubernetes, Builds, Models, MCP Toolkit (BETA), Docker Hub, Docker Scout, and Extensions. The main panel is titled 'Containers' and shows overall usage: 0.36% / 1000% CPU and 63.64MB / 7.47GB memory. Below this is a table of running containers. At the bottom, there are 'Walkthroughs' for 'Multi-container applications' and 'Containerize your application', and a status bar indicating the engine is running with system resource usage.

	Name	Container ID	Image	Port(s)	CPU (%)	Last st	Actions
<input type="checkbox"/>	postgres1	3fca963c94e8	postgres	5432:5432	0.01%	24 min	
<input type="checkbox"/>	redis	e12a23a66858	redis	6379:6379	0.33%	8 min	
<input type="checkbox"/>	flask-container	ff64bd88eee5	flask-app	5001:5000	0.02%	4 min	

**Walkthroughs**

- Multi-container applications**  
8 mins
- Containerize your application**  
3 mins

[View more in the Learning center](#)

Engine running | RAM 1.95 GB CPU 0.10% Disk: 2.11 GB used (limit 452.13 GB) | 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
fff4254cf1b4: Pull complete
f32361186ebf: Pull complete
fe31ef294d19: Pull complete
3ea009573b47: Pull complete
558ea91a121f: Pull complete
5ac969db27e8: Pull complete
912e427814f6: Pull complete
ae07b813da39: Pull complete
85c95ea8f463: Pull complete
12fbc79c3b9e: Pull complete
07c5cba37f70: Pull complete
b0bc5be7c491: Pull complete
c6b138d3dcb4: Pull complete
13b0032dc18f: Download complete
b6c0c35dc39c: Download complete
Digest: sha256:3bb77a07b9ce8b8de0fe6d9b063adf20b9cca1068a1bcd054cac71a69ce0ca6
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
3fca963c94e81580f39ea003855ddd2729a2f808056b4a048745c82c95bd3297
vaishnavreddydandu@Mac-565 ~ % docker ps
CONTAINER ID   IMAGE     COMMAND   CREATED   STATUS    PORTS    NAMES
3fca963c94e8   postgres  "docker-entrypoint.s-"  55 seconds ago  Up 54 seconds    0.0.0.0:5432->5432/tcp, [::]:5432->5432/tcp  postgres1
vaishnavreddydandu@Mac-565 ~ %
```

