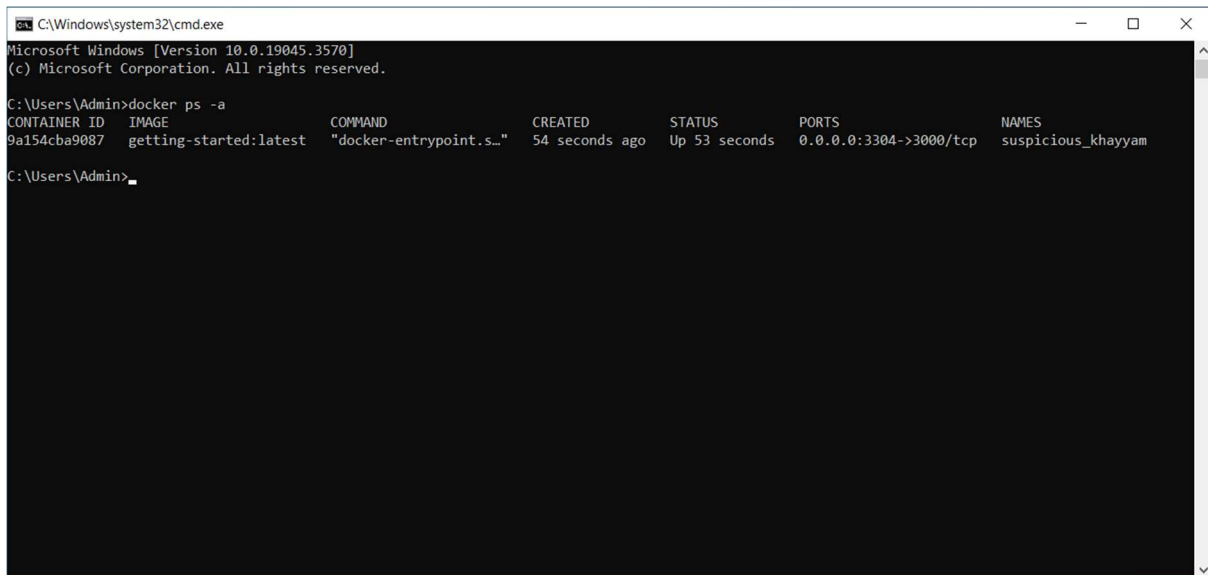


Lab 6 - Containerization using Docker

Screenshots:

1) Container created for a sample project image.

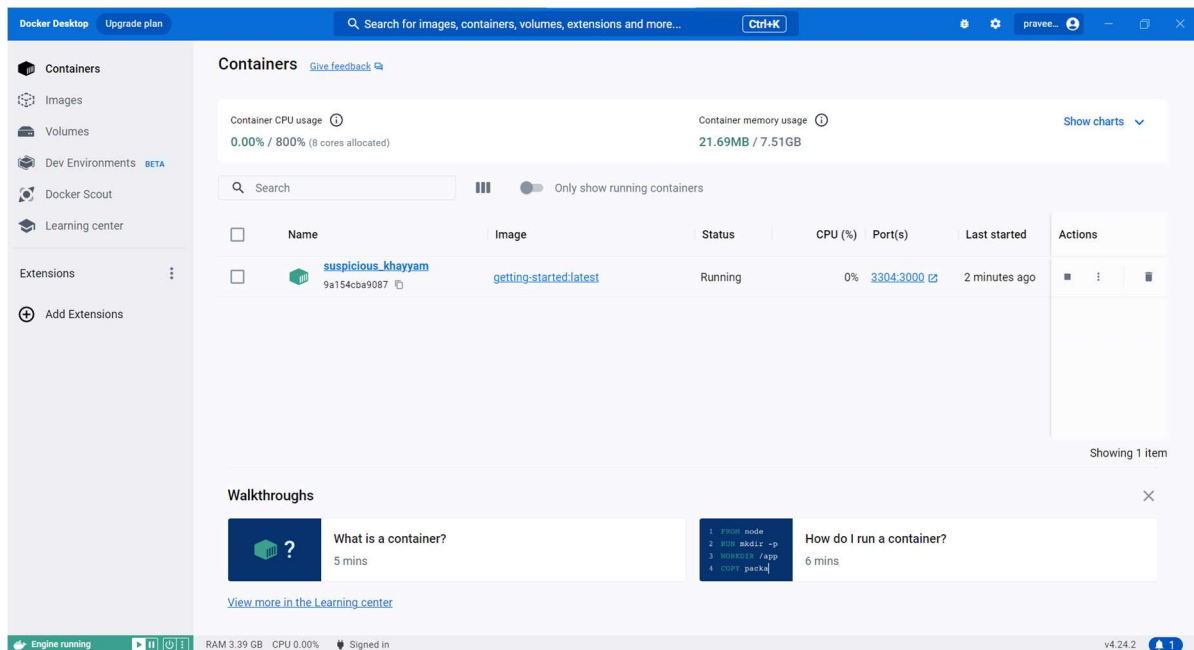


```
C:\Windows\system32\cmd.exe
Microsoft Windows [Version 10.0.19045.3570]
(c) Microsoft Corporation. All rights reserved.

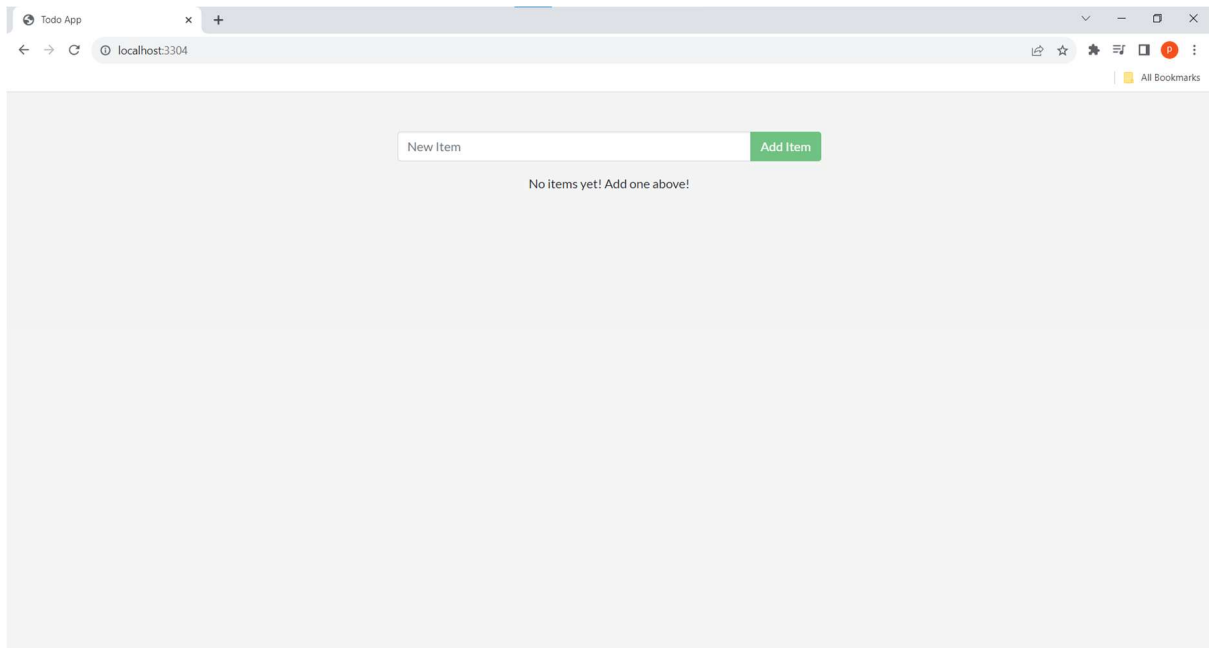
C:\Users\Admin>docker ps -a
CONTAINER ID   IMAGE          COMMAND                  CREATED        STATUS        PORTS                    NAMES
9a154cba9087   getting-started:latest   "docker-entrypoint.s..."  54 seconds ago Up 53 seconds   0.0.0.0:3304->3000/tcp    suspicious_khayyam

C:\Users\Admin>
```

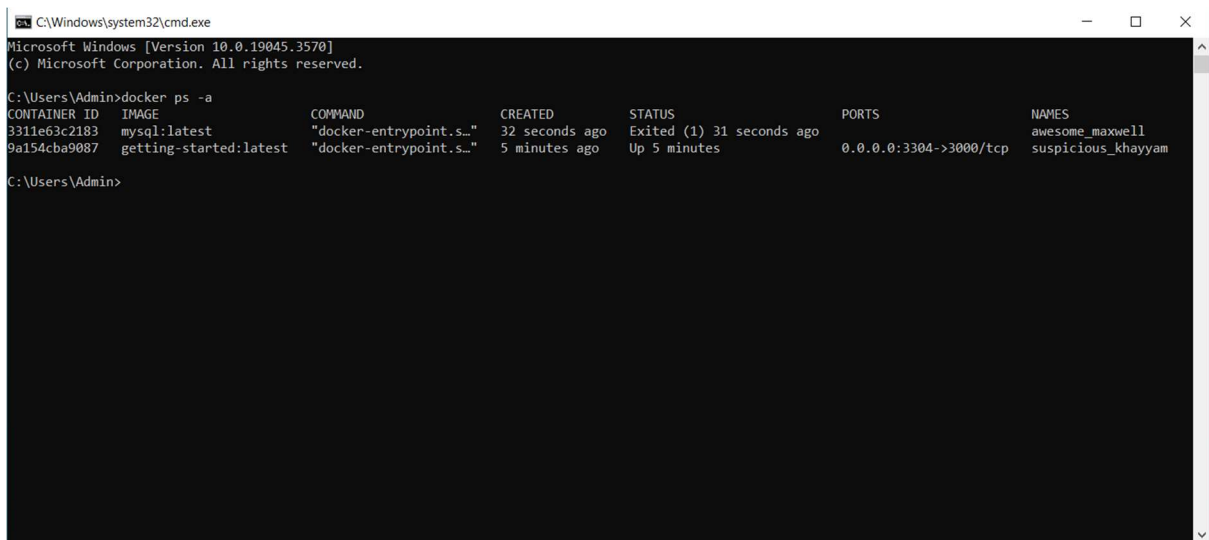
2) Container reflected in Docker Desktop and its running the project image.



3) Output of the running container.



4) New container created for MySQL server.



5) List of all containers created.

The screenshot shows the Docker Desktop interface with the 'Containers' tab selected. The left sidebar contains navigation options: Containers, Images, Volumes, Dev Environments (BETA), Docker Scout, Learning center, Extensions, and Add Extensions. The main area displays container statistics and a table of containers.

Container CPU usage: 0.00% / 800% (8 cores allocated)
 Container memory usage: 22.21MB / 7.51GB

Search: [Search bar] Only show running containers [Toggle]

Name	Image	Status	CPU (%)	Port(s)	Last started	Actions
suspicious_khayyam 9a154cb9087	getting-started:latest	Running	0%	3304:3000	7 minutes ago	[Stop] [Restart] [Refresh]
awesome_maxwell 3311e63c2183	mysql:latest	Exited (1)	0%		2 minutes ago	[Stop] [Restart] [Refresh]

Showing 2 items

Walkthroughs: What is a container? (5 mins), How do I run a container? (6 mins)

View more in the Learning center

Engine running | RAM 3.37 GB | CPU 0.62% | Signed in | v4.24.2

6) These are the images using which containers were created.

The screenshot shows the Docker Desktop interface with the 'Images' tab selected. The left sidebar is the same as the previous screenshot. The main area displays image statistics and a table of images.

Local | Hub | Artifactory | EARLY ACCESS

843.03 MB / 843.03 MB in use | 2 images | Last refresh: 20 hours ago

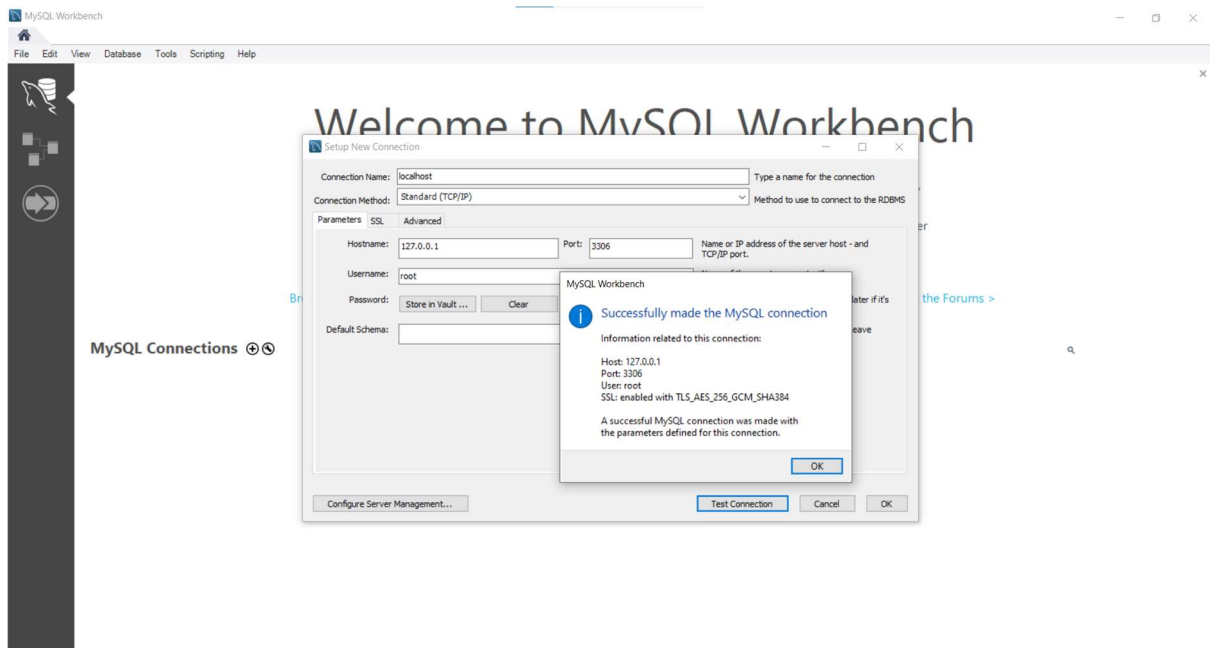
Search: [Search bar]

Name	Tag	Status	Created	Size	Actions
getting-started 686b0b99e164	latest	In use	2 days ago	269.02 MB	[Stop] [Restart] [Refresh]
mysql ae2502152260	latest	In use	3 months ago	574 MB	[Stop] [Restart] [Refresh]

Showing 2 items

Engine running | RAM 3.38 GB | CPU 0.00% | Signed in | v4.24.2

7) MySQL Workbench running and connected to MySQL server.



8) Sample Query running inside the MySQL Workbench.

