

WIPRO EXERCISE (2141004162)

Hosting a Basic Website with Docker Desktop (my-website)

DOCKER BUILD AND RUN

```
Windows PowerShell
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Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS C:\Users\ashut\OneDrive\Desktop\my-website> docker build -t my-website .
[+] Building 40.8s (8/8) FINISHED
=> [internal] load build definition from Dockerfile                                0.0s
=> => transferring dockerfile: 343B                                              0.0s
=> [internal] load metadata for docker.io/library/nginx:alpine                  40.6s
=> [auth] library/nginx:pull token for registry-1.docker.io                    0.0s
=> [internal] load .dockerignore                                                 0.0s
=> => transferring context: 2B                                                  0.0s
=> [internal] load build context                                                0.0s
=> => transferring context: 643B                                                0.0s
=> CACHED [1/2] FROM docker.io/library/nginx:alpine@sha256:65645c7bb6a0661892a8b03b89d0743208a18dd2f3f17a54ef4b7 0.0s
=> [2/2] COPY index.html /usr/share/nginx/html/index.html                     0.0s
=> exporting to image                                                           0.1s
=> => exporting layers                                                         0.0s
=> => writing image sha256:f710f980561d5db1ccaa35e0f571d813efc5d4005433420ce5496c253de37b97 0.0s
=> => naming to docker.io/library/my-website                                   0.0s

View build details: docker-desktop://dashboard/build/desktop-linux/desktop-linux/tg0rujzalpqo6qy0uy3sdaxhb
PS C:\Users\ashut\OneDrive\Desktop\my-website> docker run -d -p 8080:80 --name my-website-container my-website
8bb0ca11911e2c79c6cc1505fcf40afd742e8277c54c05103d1e286b52e8c7c
PS C:\Users\ashut\OneDrive\Desktop\my-website> |
```

DOCKER CONTAINER

Ask Gordon BETA

Containers

Images

Volumes

Builds

Docker Hub

Docker Scout

Extensions

Containers

View all your running containers and applications. [Learn more](#)

Container CPU usage 0.00% / 800% (8 CPUs available)

Container memory usage 8.91MB / 7.5GB

Show charts

Search

Only show running containers

	Name	Container ID	Image	Port(s)	CPU (%)	Last started	Actions
<input type="checkbox"/>	my-bootstrap-website-cont	dabc6cb43611	my-bootstrap-website	8080:80	0%	5 hours ago	Play More Delete
<input checked="" type="checkbox"/>	my-website-container	04418af03167	my-website	8080:80	0%	2 minutes ago	Play More Delete

Showing 2 items

Walkthroughs

Multi-container applications

8 mins

Containerize your application

3 mins

[View more in the Learning center](#)

Engine running

RAM 2.24 GB CPU 0.00% Disk: 1.26 GB used (limit 1006.85 GB)

Terminal v4.40.0

DOCKER IMAGE

The screenshot shows the Docker Desktop application window. The left sidebar contains navigation options: Ask Gordon (BETA), Containers, Images (selected), Volumes, Builds, Docker Hub, Docker Scout, and Extensions. The main panel is titled 'Images' and shows 'Local' and 'Docker Hub repositories' tabs. Below the tabs, it displays '48.24 MB / 0 Bytes in use' and '4 images'. A search bar and filter icons are present. A table lists the images:

	Name	Tag	Image ID	Created	Size	Actions
<input type="checkbox"/>	my-bootstrap-website	latest	47672a67a425	5 hours ago	48.24 MB	▶ ⋮ 🗑️
<input type="checkbox"/>	nginx	stable-alpine3.21-perl	774789808095	22 hours ago	86.57 MB	▶ ⋮ 🗑️
<input type="checkbox"/>	alpine	latest	aded1e1a5b37	2 months ago	7.83 MB	▶ ⋮ 🗑️
<input type="checkbox"/>	my-website	latest	81c0698cf037	5 hours ago	48.23 MB	▶ ⋮ 🗑️

Below the table, it says 'Showing 4 items'. There is a 'Walkthroughs' section with two cards: 'How do I run a container?' (6 mins) and 'Run Docker Hub images' (5 mins). At the bottom, a status bar shows 'Engine running', system resources (RAM 2.24 GB, CPU 0.25%, Disk 1.26 GB used), and a 'Terminal' button.

OUTPUT

The screenshot shows a web browser window with the address bar set to 'localhost:8080'. The page content is as follows:

Welcome to My Docker Website!

This is a simple static website hosted using Nginx and Docker.

Hosting a Basic Website with CSS, jQuery, and Bootstrap using Docker Desktop (my-bootstrap-website)

DOCKER BUILD AND RUN

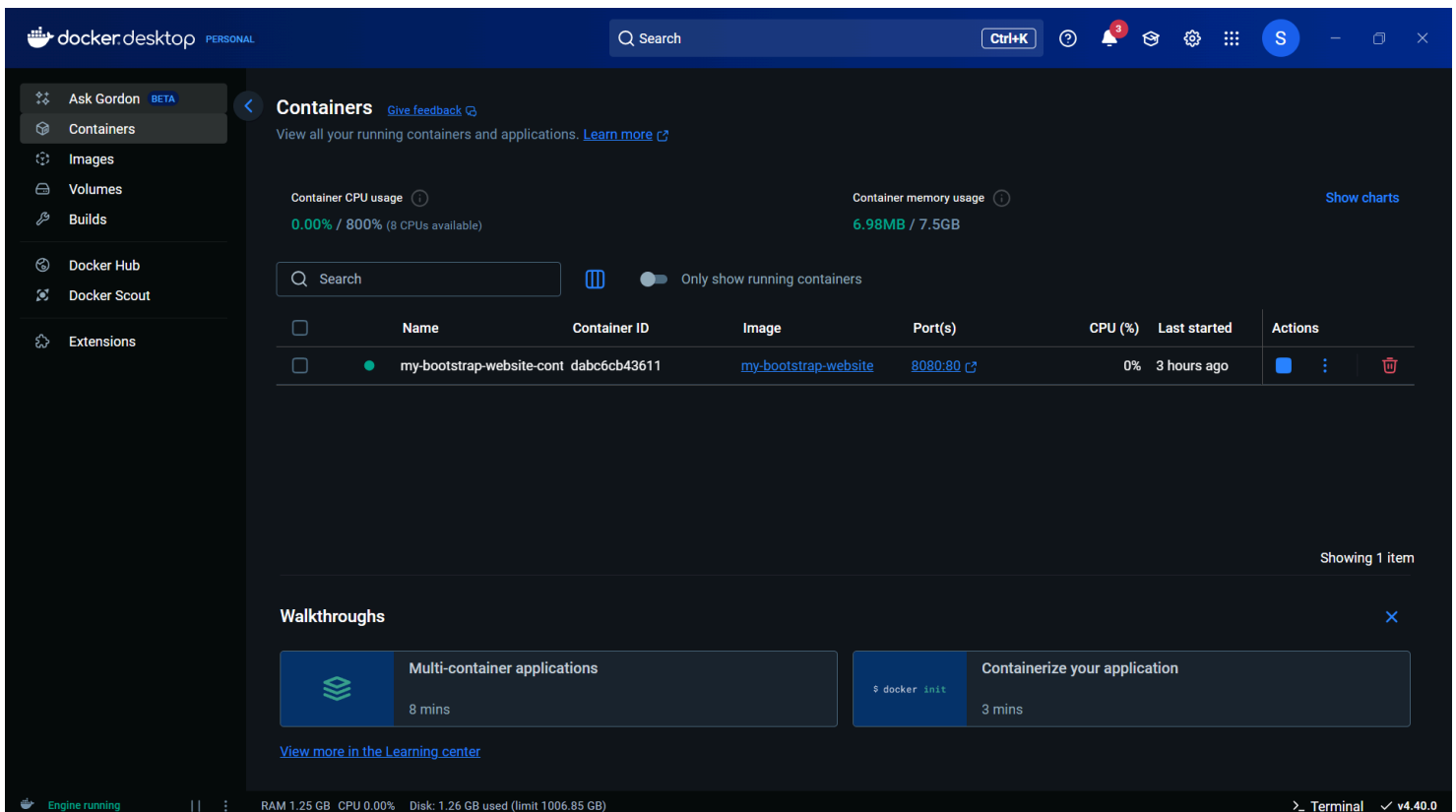
```
Windows PowerShell
PS C:\Users\ashut\OneDrive\Desktop\my-bootstrap-website> docker build -t my-bootstrap-website .
[+] Building 1.3s (9/9) FINISHED
=> [internal] load build definition from Dockerfile
=> => transferring dockerfile: 410B
=> [internal] load metadata for docker.io/library/nginx:alpine
=> [internal] load .dockerignore
=> => transferring context: 2B
=> CACHED [1/4] FROM docker.io/library/nginx:alpine@sha256:65645c7bb6a0661892a8b03b89d0743208a18dd2f3f17a54ef4b76fb8e2f2a10
=> [internal] load build context
=> => transferring context: 1.61kB
=> [2/4] COPY index.html /usr/share/nginx/html/
=> [3/4] COPY styles.css /usr/share/nginx/html/
=> [4/4] COPY script.js /usr/share/nginx/html/
=> exporting to image
=> => exporting layers
=> => writing image sha256:2cc1e963ede19a121d7f388835f8140c0d6746c9e5cb4bc5b041889d74319266
=> => naming to docker.io/library/my-bootstrap-website

View build details: docker-desktop://dashboard/build/desktop-linux/desktop-linux/y3sd67w7nv5c4c8y3zxbynfxm
PS C:\Users\ashut\OneDrive\Desktop\my-bootstrap-website> docker run -d -p 8080:80 --name my-bootstrap-website-container my-bootstrap-website
0e808a6ab0db18ca67ba6e7673863d261e320ce78a14e53db9e13def326f8e2a
docker: Error response from daemon: failed to set up container networking: driver failed programming external connectivity on endpoint my-bootstrap-website-container (176cd0360282cb28e0d93489afde4aea2c661b8c84c8db382421241f1c9b3c93): Bind for 0.0.0.0:8080 failed: port is already allocated

Run 'docker run --help' for more information
PS C:\Users\ashut\OneDrive\Desktop\my-bootstrap-website> docker run -d -p 8080:80 --name my-bootstrap-website-container my-bootstrap-website
docker: Error response from daemon: Conflict. The container name "/my-bootstrap-website-container" is already in use by container "0e808a6ab0db18ca67ba6e7673863d261e320ce78a14e53db9e13def326f8e2a". You have to remove (or rename) that container to be able to reuse that name.

Run 'docker run --help' for more information
PS C:\Users\ashut\OneDrive\Desktop\my-bootstrap-website> |
```

DOCKER CONTAINER



DOCKER IMAGES

The screenshot shows the Docker Desktop application window. The left sidebar contains navigation options: Ask Gordon (BETA), Containers, Images (selected), Volumes, Builds, Docker Hub, Docker Scout, and Extensions. The main area is titled 'Images' with a subtitle 'View and manage your local and Docker Hub images. [Learn more](#)'. Below this, there are tabs for 'Local' and 'Docker Hub repositories'. The 'Local' tab is active, showing a progress bar for '48.24 MB / 0 Bytes in use' and '3 Images'. A search bar and icons for filters and columns are present. A table lists the local images:

	Name	Tag	Image ID	Created	Size	Actions
<input type="checkbox"/>	nginx	stable-alpine3.21-perl	774789808095	20 hours ago	86.57 MB	▶ ⋮ 🗑️
<input type="checkbox"/>	alpine	latest	aded1e1a5b37	2 months ago	7.83 MB	▶ ⋮ 🗑️
<input type="checkbox"/>	my-bootstrap-website	latest	47672a67a425	3 hours ago	48.24 MB	▶ ⋮ 🗑️

Below the table, it says 'Showing 3 items'. There is a 'Walkthroughs' section with two cards: 'How do I run a container?' (6 mins) and 'Run Docker Hub images' (5 mins). At the bottom, there is a status bar showing 'Engine running', system resources (RAM 1.25 GB, CPU 0.13%, Disk 1.26 GB used), and a terminal icon.

OUTPUT

The screenshot shows a web browser window with the address bar set to 'localhost:8080'. The page title is 'My Docker Bootstrap Website'. The main content area displays a large heading 'Welcome to My Docker Website!' followed by a subtitle 'This website uses Bootstrap, jQuery, and custom CSS, hosted with Nginx and Docker.' Below this, there is a blue button labeled 'Toggle Message'.

OUTPUT (AFTER TOGGLE)

