

# Docker Assignment

```
Administrator: C:\Windows\System32\cmd.exe
D:\calc>docker build -t mycalculator .
[+] Building 2.3s (8/8) FINISHED
=> [internal] load build definition from Dockerfile
=> => transferring dockerfile: 480B
=> [internal] load metadata for docker.io/library/python:3.9-slim
=> [internal] load .dockerignore
=> => transferring context: 28
=> [1/3] FROM docker.io/library/python:3.9-slim@sha256:e0bc011bb55918109921b913fe30160cb0297c570621a450477d44999a792beb
=> [internal] load build context
=> => transferring context: 65B
=> CACHED [2/3] WORKDIR /app
=> CACHED [3/3] COPY . /app
=> exporting to image
=> => exporting layers
=> => writing image sha256:37b2edd0c4f29f5aa5d090301c053511a04b23346e08e1cbbdf46117c10b9f9
=> => naming to docker.io/library/mycalculator

What's Next?
  1. Sign in to your Docker account → docker login
  2. View a summary of image vulnerabilities and recommendations → docker scout quickview

D:\calc>
```

The screenshot displays the Docker Desktop application window. On the left, a vertical sidebar contains icons and labels for 'Containers', 'Images' (which is highlighted), 'Volumes', 'Builds', 'Dev Environments', and 'Docker Scout'. Below these are 'Extensions' and an 'Add Extensions' button. The central pane is titled 'Images' and has two tabs: 'Local' (active) and 'Hub'. It shows a progress bar indicating '475.65 MB / 0 Bytes in use' and '8 Images'. Below this is a search input field. A table lists the following images:

<input type="checkbox"/>	Name	Tag	Status	Created	Size	Actions
<input type="checkbox"/>	<a href="#">mycalc</a>	latest	In use	15 minutes ago	126.39 MB	[More] [Details] [Delete]
<input type="checkbox"/>	<a href="#">mycalculator</a>	latest	In use	15 minutes ago	126.39 MB	[More] [Details] [Delete]
<input type="checkbox"/>	<a href="#">calculator_app</a>	latest	In use	3 hours ago	49.55 MB	[More] [Details] [Delete]
<input type="checkbox"/>	<a href="#">mydockeraapp</a>	1.0	In use	3 hours ago	49.55 MB	[More] [Details] [Delete]
<input type="checkbox"/>	<a href="#">ubuntu</a>	latest	In use	20 days ago	77.85 MB	[More] [Details] [Delete]

At the bottom of the window, a green status bar shows 'Engine running' along with system metrics: RAM 3.66 GB, CPU 0.75%, and network status 'Not signed in'. The Windows taskbar is visible at the very bottom.

