

## Running Container in Interactive mode

Python Program To be Run in Container: -

python program to print the sum of two user-defined numbers:

```
python

# Program to find the sum of two numbers (user-defined)

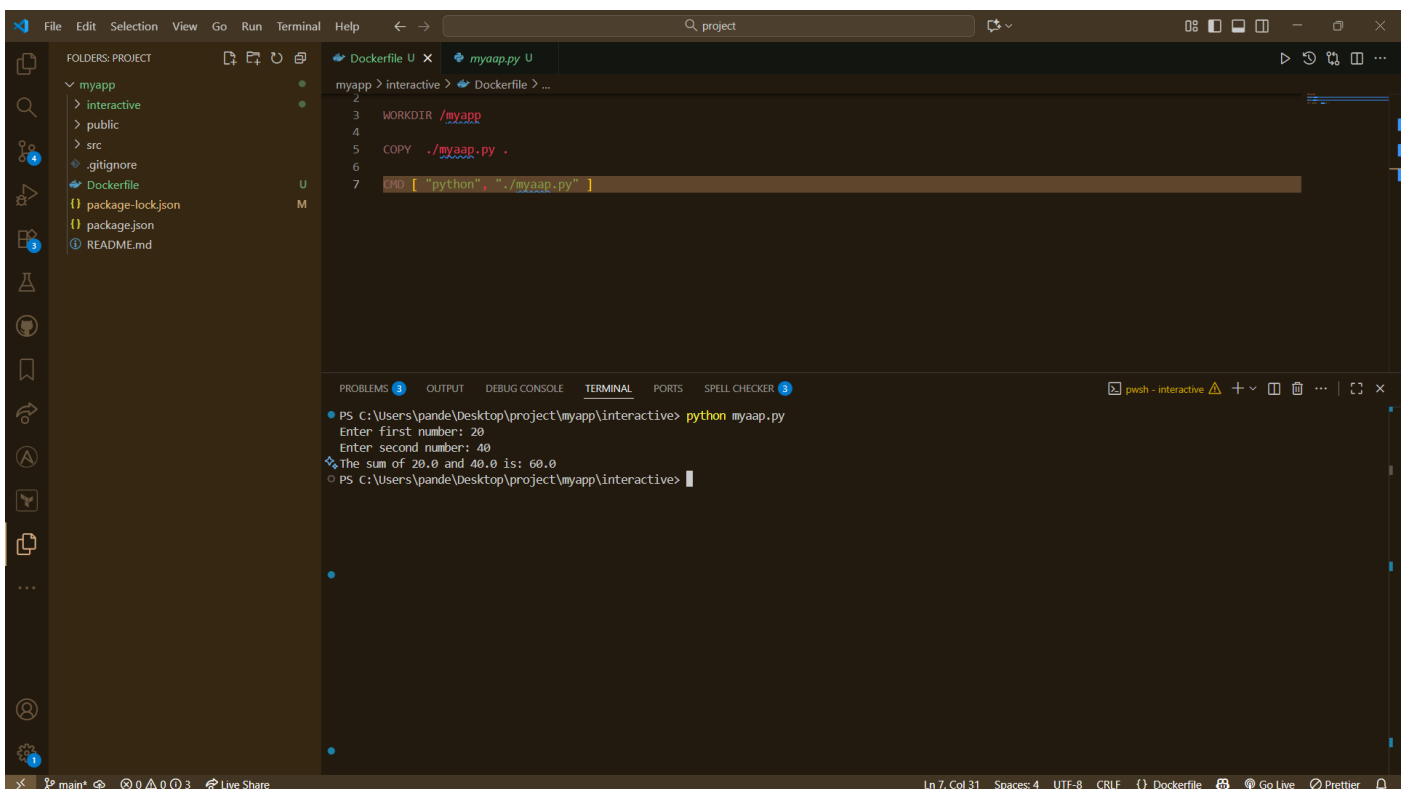
# Taking input from the user
num1 = float(input("Enter first number: "))
num2 = float(input("Enter second number: "))

# Calculating sum
sum = num1 + num2

# Displaying result
print("The sum of", num1, "and", num2, "is:", sum)
```

Copy code

Output: -



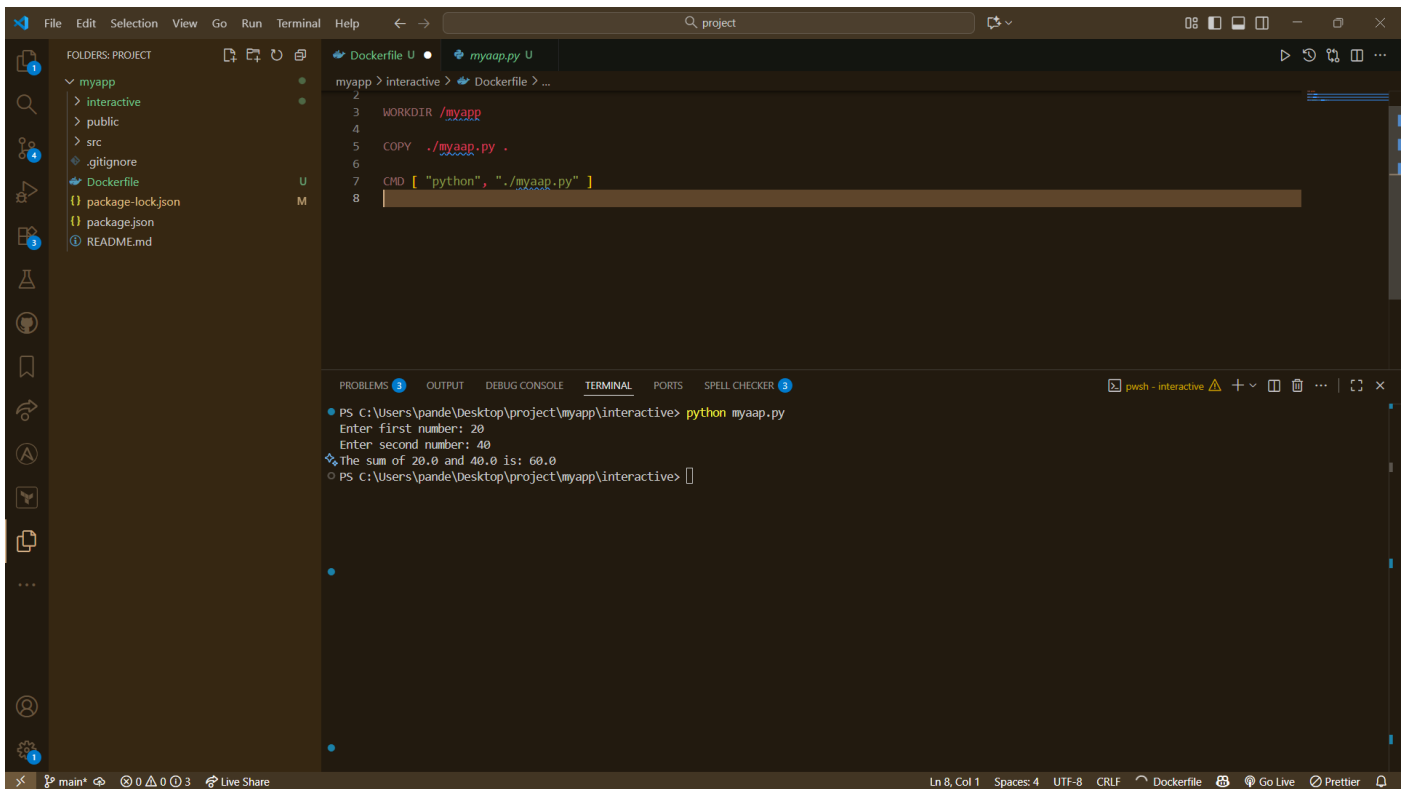
The screenshot shows the Visual Studio Code interface with a Docker container running. The left sidebar shows the project structure with folders like 'myapp', 'interactive', 'public', 'src', and files like 'Dockerfile', 'package-lock.json', and 'README.md'. The main editor shows a Dockerfile with the following content:

```
2
3 WORKDIR /myapp
4
5 COPY ./myapp.py .
6
7 CMD ["python", "./myapp.py"]
```

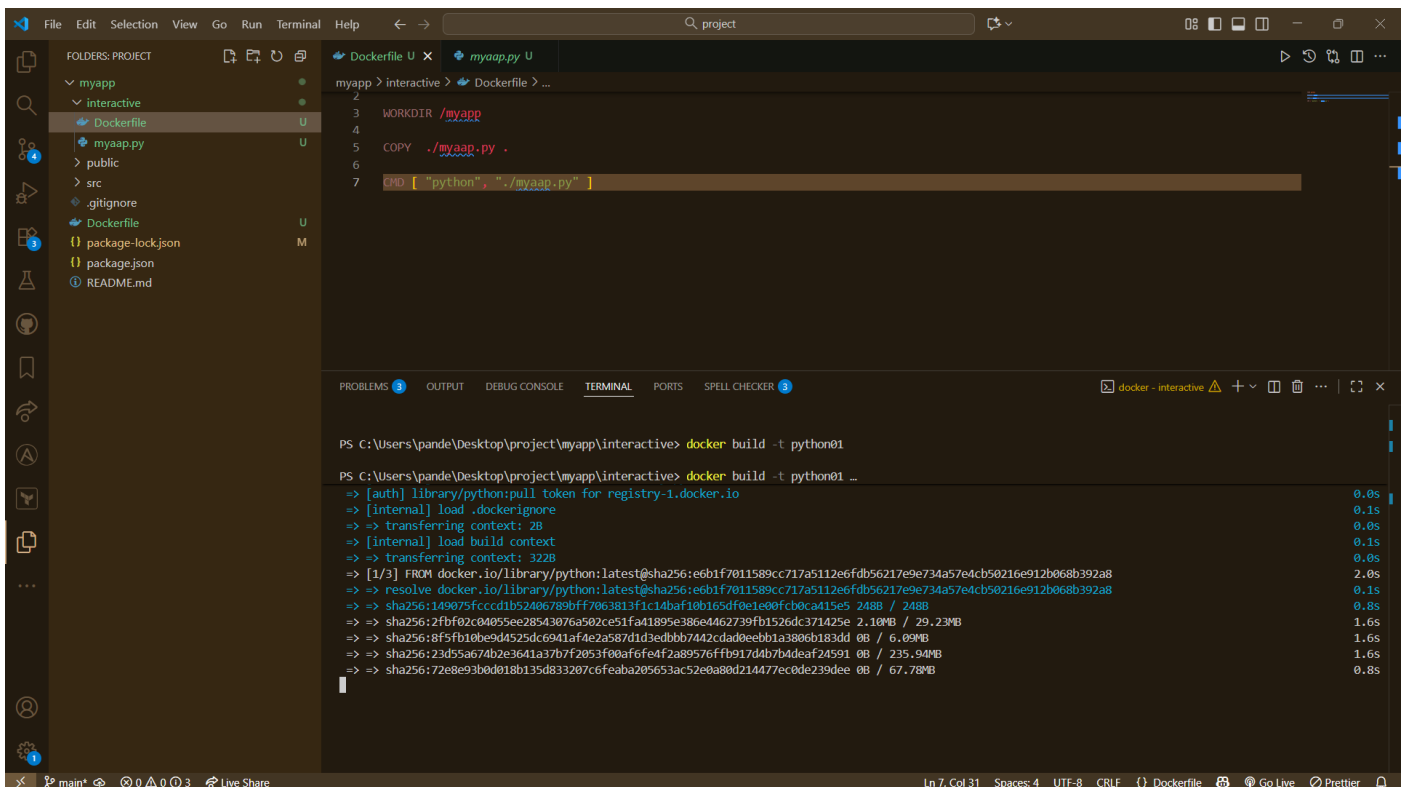
The bottom terminal panel shows the output of the command `python myapp.py` executed in the container:

```
PS C:\Users\pande\Desktop\project\myapp\interactive> python myapp.py
Enter first number: 20
Enter second number: 40
The sum of 20.0 and 40.0 is: 60.0
PS C:\Users\pande\Desktop\project\myapp\interactive>
```

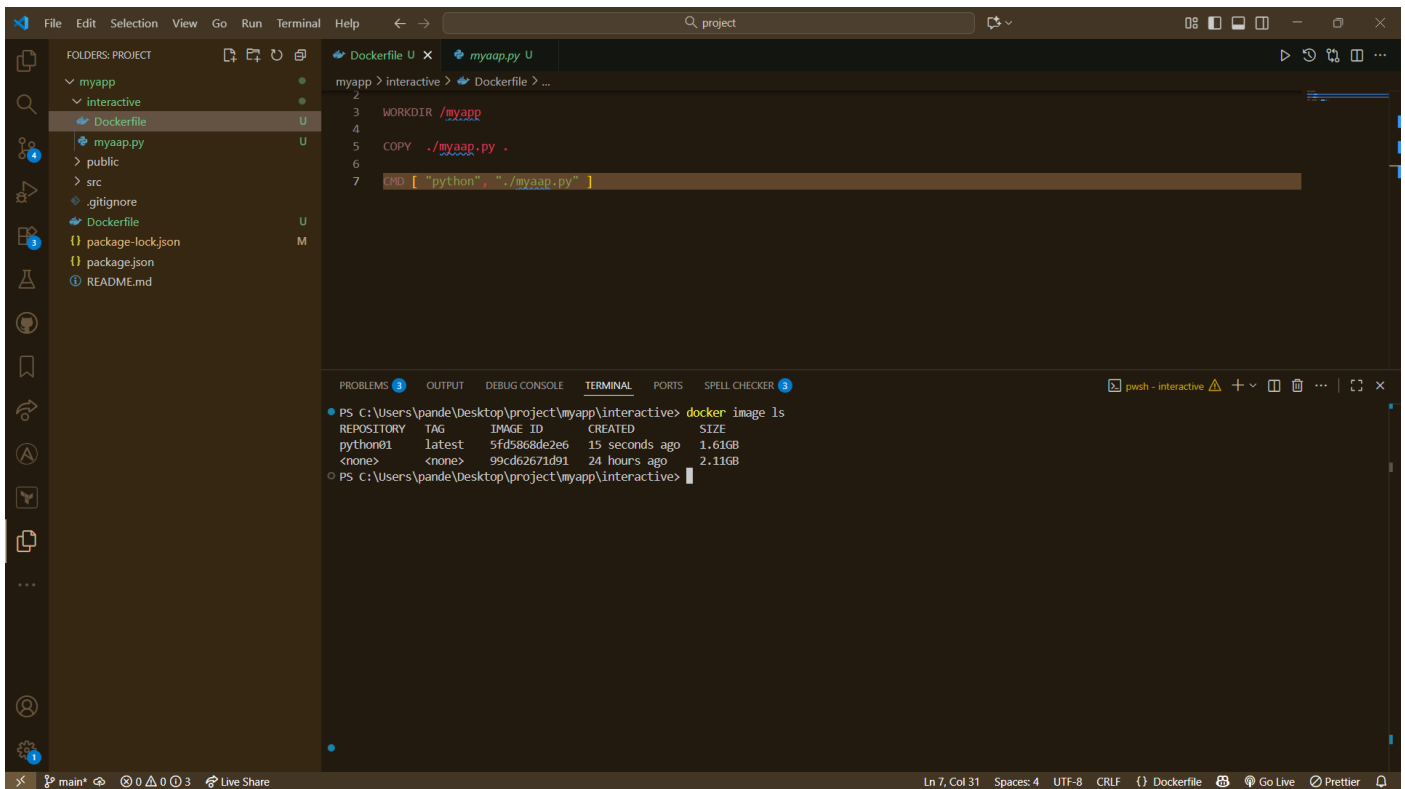
Create Docker File: -



## Now, Create Docker Image :-

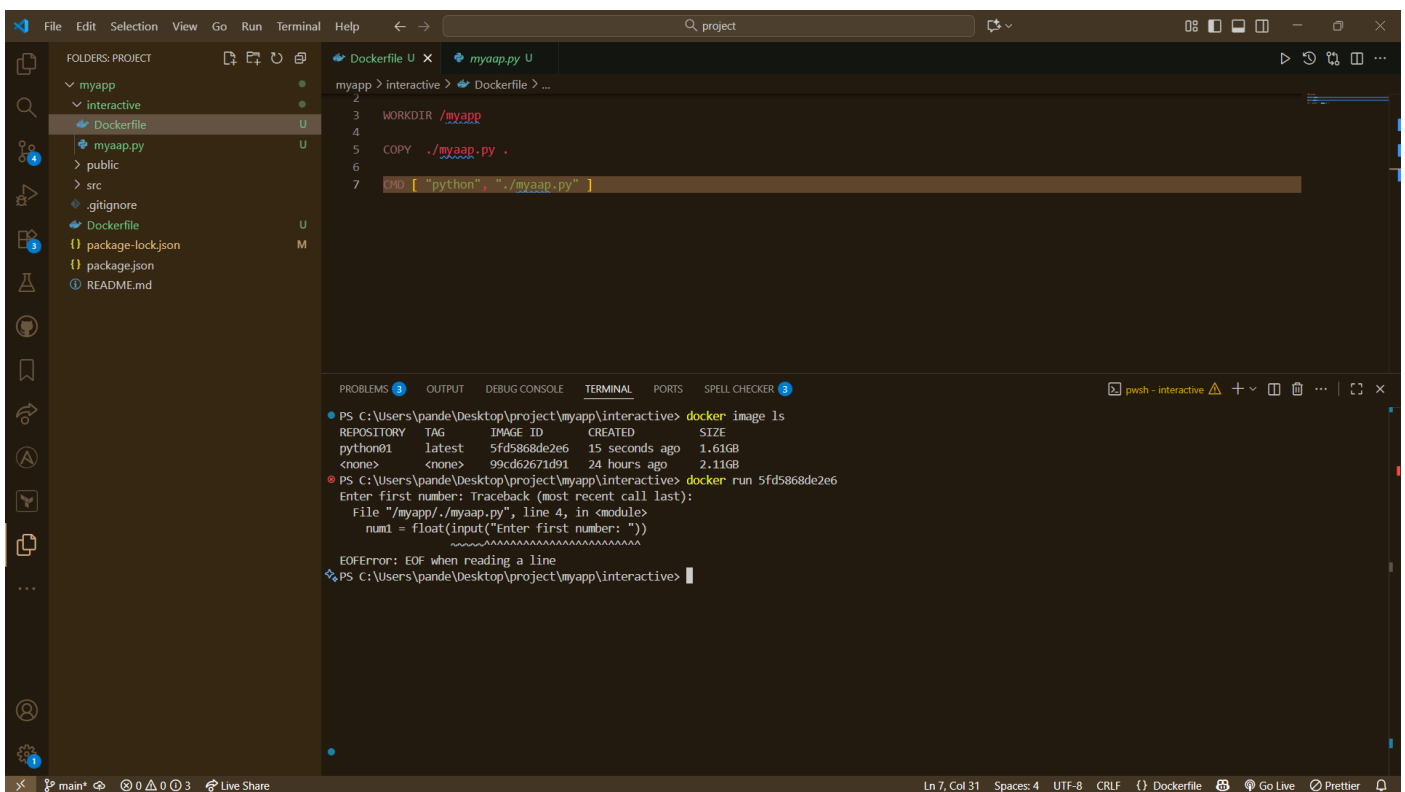


## Created Docker Image :-



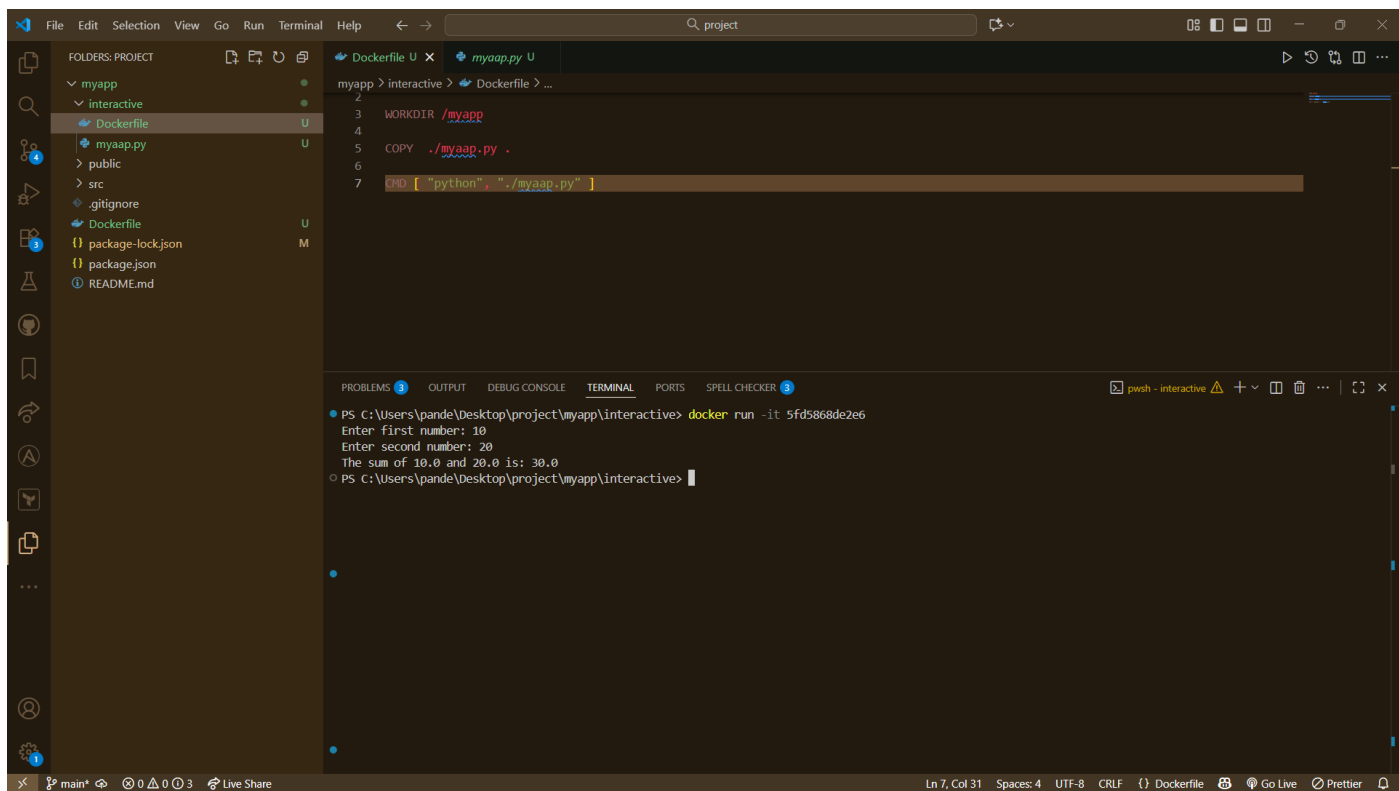
Name: - python01

Run a Container without Interactive Mode: -



Command: - Docker run image\_id

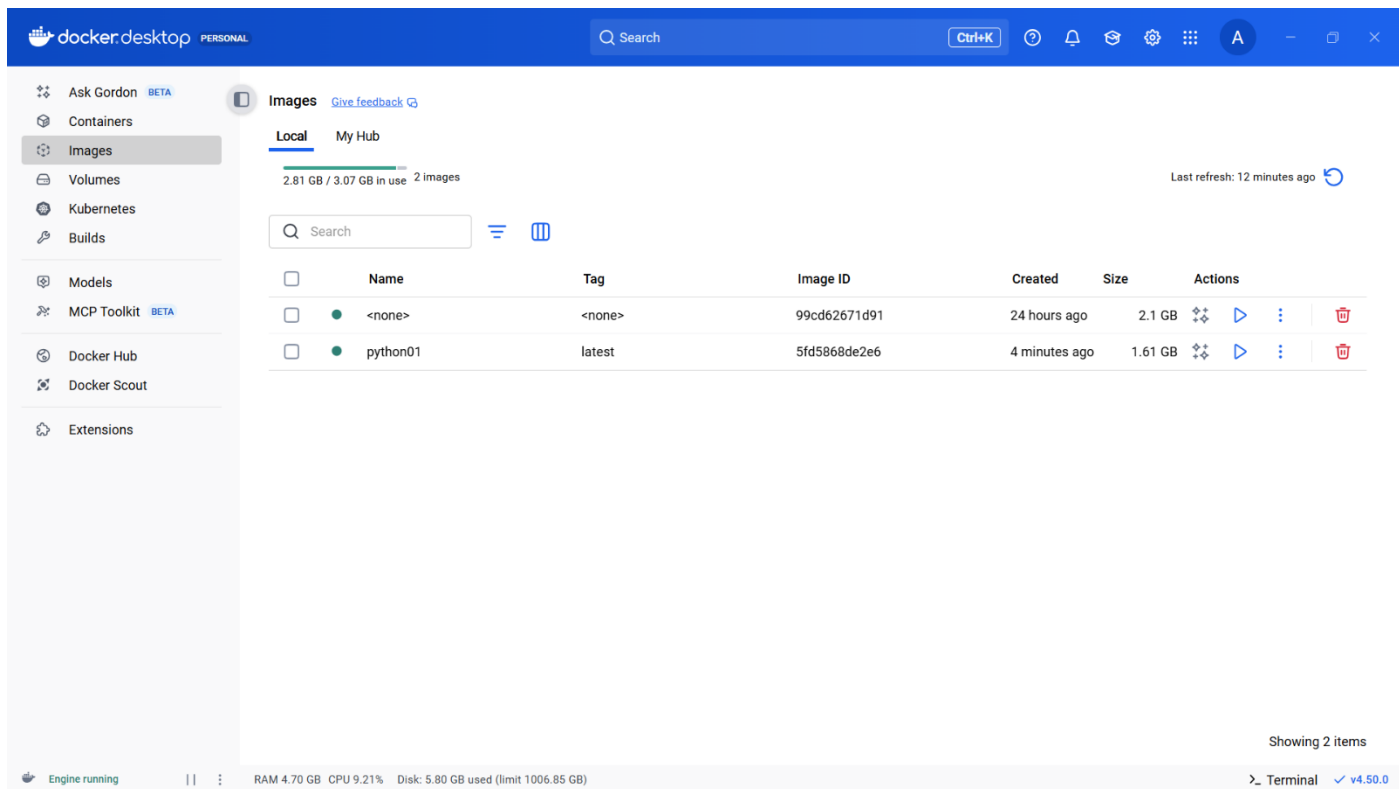
Run a Container in Interactive Mode: -



**Command:** - Docker run -it image\_id

## Docker Desktop: -

**Images:** -



**Container:** -

docker desktop

PERSONAL

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Container CPU usage ⓘ  
No containers are running.

Container memory usage ⓘ  
No containers are running.

Show charts

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☐ Only show running containers

<input type="checkbox"/>	Name	Container ID	Image	Port(s)	CPU (%)	Last started	Actions
<input type="checkbox"/>	○ vigilant_neumann	8bdb43182dcd	<a href="#">99cd62671d91</a>	3000:3000	N/A	24 hours ago	<div><div>🔧</div><div>▶</div><div>⋮</div><div>🗑️</div></div>
<input type="checkbox"/>	○ awesome_davinci	dfad29891147	<a href="#">99cd62671d91</a>		N/A	24 hours ago	<div><div>🔧</div><div>▶</div><div>⋮</div><div>🗑️</div></div>
<input type="checkbox"/>	○ upbeat_hertz	6e1494317832	<a href="#">5fd5868de2e6</a>		N/A	3 minutes ago	<div><div>🔧</div><div>▶</div><div>⋮</div><div>🗑️</div></div>
<input type="checkbox"/>	○ hungry_moore	d5670414bc53	<a href="#">5fd5868de2e6</a>		N/A	2 minutes ago	<div><div>🔧</div><div>▶</div><div>⋮</div><div>🗑️</div></div>

Showing 4 items

🔧 Engine running

|| ⋮

RAM 1.42 GB CPU 0.25% Disk: 5.90 GB used (limit 1006.85 GB)

Terminal

✓ v4.50.0

See last two Container....