

```
C:\Users\LAB503>docker run hello-world
```

Hello from Docker!

This message shows that your installation appears to be working correctly.

To generate this message, Docker took the following steps:

1. The Docker client contacted the Docker daemon.
2. The Docker daemon pulled the "hello-world" image from the Docker Hub.  
(amd64)
3. The Docker daemon created a new container from that image which runs the executable that produces the output you are currently reading.
4. The Docker daemon streamed that output to the Docker client, which sent it to your terminal.

To try something more ambitious, you can run an Ubuntu container with:

```
$ docker run -it ubuntu bash
```

Share images, automate workflows, and more with a free Docker ID:

<https://hub.docker.com/>

For more examples and ideas, visit:

<https://docs.docker.com/get-started/>

## Containers [Give feedback](#)

Container CPU usage ⓘ

No containers are running.

Container memory usage ⓘ

No containers are running.

Show charts

🔍 Search



Only show running containers

<input type="checkbox"/>	Name	Image	Status	Port(s)	CPU (%)	Last started	Actions
<input type="checkbox"/>	<a href="#">naughty_visvesvaraya</a>	<a href="#">hello-world</a>	Exited		N/A	4 minutes ago	

```
C:\Users\LAB503>docker run -it ubuntu
```

```
root@8e1732c8d9a3:/# ls
```

```
bin  dev  home  lib64  mnt  proc  run  srv  tmp  var
boot  etc  lib  media  opt  root  sbin  sys  usr
```

```
root@8e1732c8d9a3:/# touch vanshita
```

```
root@8e1732c8d9a3:/# ls
```

```
bin  dev  home  lib64  mnt  proc  run  srv  tmp  vanshita
boot  etc  lib  media  opt  root  sbin  sys  usr  var
```

```
root@8e1732c8d9a3:/#
```

## Containers [Give feedback](#)

Container CPU usage ⓘ

0.00% / 1200% (12 CPUs available)

Container memory usage ⓘ

4.26MB / 3.66GB

[Show charts](#)

Q Search



Only show running containers

<input type="checkbox"/>	Name	Image	Status	Port(s)	CPU (%)	Last started	Actions
<input type="checkbox"/>	<a href="#">naughty_visvesvaraya</a> acc0e84a1f17	<a href="#">hello-world</a>	Exited		0%	17 minutes ago	
<input type="checkbox"/>	<a href="#">frosty_mclaren</a> 8e1732c8d9a3	<a href="#">ubuntu</a>	Running		0%	3 minutes ago	<input type="checkbox"/>

```
root@8e1732c8d9a3:/# exit
exit
```

## Containers [Give feedback](#)

Container CPU usage ⓘ

No containers are running.

Container memory usage ⓘ

No containers are running.

[Show charts](#)

Q Search



Only show running containers

<input type="checkbox"/>	Name	Image	Status	Port(s)	CPU (%)	Last started	Actions
<input type="checkbox"/>	<a href="#">naughty_visvesvaraya</a> acc0e84a1f17	<a href="#">hello-world</a>	Exited		N/A	19 minutes ago	
<input type="checkbox"/>	<a href="#">frosty_mclaren</a> 8e1732c8d9a3	<a href="#">ubuntu</a>	Exited		N/A	5 minutes ago	

Command Prompt

```
C:\Users\LAB503>docker run -it ubuntu
root@1b05f7f98c22:/# ls
bin  dev  home  lib64  mnt  proc  run  srv  tmp  var
boot  etc  lib  media  opt  root /sbin  sys  usr
root@1b05f7f98c22:/# touch vanshita
root@1b05f7f98c22:/# ls
bin  dev  home  lib64  mnt  proc  run  srv  tmp  vanshita
boot  etc  lib  media  opt  root /sbin  sys  usr  var
root@1b05f7f98c22:/# exit
exit

C:\Users\LAB503>
```

```
root@a00770a49878: /
Microsoft Windows [Version 10.0.22631.3958]
(c) Microsoft Corporation. All rights reserved.

C:\Users\LAB503>docker run -it ubuntu
root@a00770a49878: /#
```

Containers [Give feedback](#)

Container CPU usage ⓘ  
0.00% / 1200% (12 CPUs available)

Container memory usage ⓘ  
892KB / 3.66GB

Show charts

☐ Only show running containers

<input type="checkbox"/>	Name	Image	Status	Port(s)	CPU (%)	Last started	Actions
<input type="checkbox"/>	<a href="#">naughty_visvesvaraya</a> acc0e84a1f17	<a href="#">hello-world</a>	Exited		0%	29 minutes ago	
<input type="checkbox"/>	<a href="#">frosty_mclaren</a> 8e1732c8d9a3	<a href="#">ubuntu</a>	Exited		0%	15 minutes ago	
<input type="checkbox"/>	<a href="#">festive_stonebraker</a> a00770a49878	<a href="#">ubuntu</a>	Running		0%	5 minutes ago	<input type="checkbox"/>
<input type="checkbox"/>	<a href="#">keen_mclean</a> 1b05f7f98c22	<a href="#">ubuntu</a>	Exited		0%	5 minutes ago	

```
C:\Users\LAB503>docker stop festive_stonebraker
festive_stonebraker

C:\Users\LAB503>
```

<input type="checkbox"/>	<a href="#">festive_stonebraker</a> a00770a49878	<a href="#">ubuntu</a>	Exited (137)	N/A	7 minutes ago	
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```
C:\Users\LAB503>docker start festive_stonebraker
festive_stonebraker
```

<input type="checkbox"/>	<a href="#">festive_stonebraker</a> a00770a49878	<a href="#">ubuntu</a>	Running	0%	43 seconds ago	<input type="checkbox"/>
--------------------------	---	------------------------	---------	----	----------------	--------------------------

```
C:\Users\LAB503>docker container ls
CONTAINER ID   IMAGE     COMMAND                  CREATED        STATUS        PORTS        NAMES
a00770a49878   ubuntu   "/bin/bash"             10 minutes ago Up About a minute        festive_stonebraker
```

```
Command Prompt
C:\Users\LAB503>docker container ls -a
CONTAINER ID   IMAGE     COMMAND   CREATED   STATUS    PORTS   NAMES
1b05f7f98c22   ubuntu   "/bin/bash"   10 minutes ago   Exited (0) 7 minutes ago           keen_mclean
a00770a49878   ubuntu   "/bin/bash"   10 minutes ago   Up 2 minutes                       festive_stone
braker
8e1732c8d9a3   ubuntu   "/bin/bash"   20 minutes ago   Exited (0) 15 minutes ago           frosty_mclare
n
acc0e84a1f17   hello-world "/hello"   34 minutes ago   Exited (0) 34 minutes ago           naughty_visve
svaraya
```

		keen_mclean	ubuntu	Exited	0% 14 minutes ago			
		1b05f7f98c22						

```
C:\Users\LAB503>docker start keen_mclean
keen_mclean

C:\Users\LAB503>docker exec -it keen_mclean ls
bin  dev  home  lib64  mnt  proc  run  srv  tmp  vashita
boot  etc  lib   media  opt  root  sbin  sys  usr  var

What's next:
  Try Docker Debug for seamless, persistent debugging tools in any container or image → docker debug keen\_mclean
  Learn more at https://docs.docker.com/go/debug-cli/

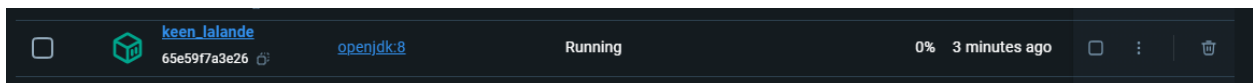
C:\Users\LAB503>
```

```
C:\Users\LAB503>docker images
REPOSITORY    TAG       IMAGE ID       CREATED        SIZE
ubuntu        latest    35a88802559d   2 months ago   78.1MB
hello-world    latest    d2c94e258dcb   16 months ago   13.3kB
```

	java	6b38-jdk	<a href="#">In use</a>	7 years ago	420.72 MB			
	613055f01959							

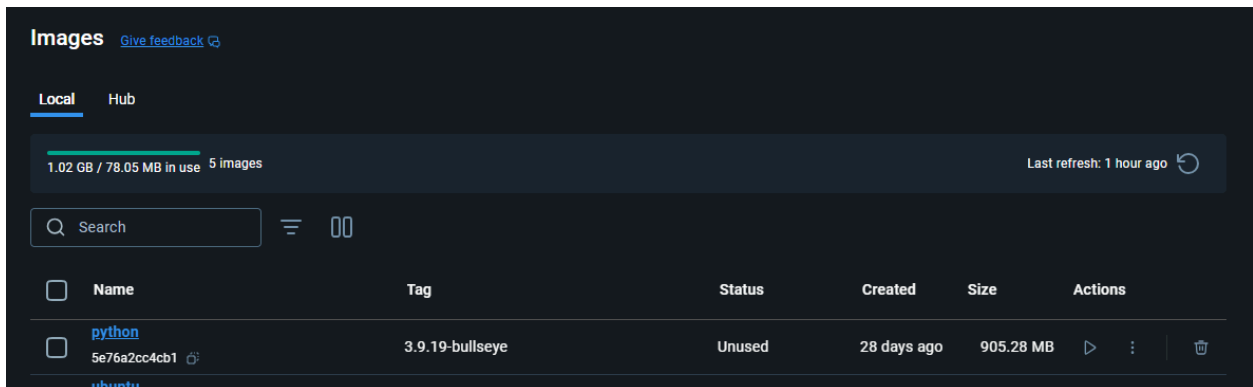
```
C:\Users\LAB503>docker run -it java:6b38-jdk
C:\Users\LAB503>
```

```
C:\Users\LAB503>docker run -it openjdk:8
Unable to find image 'openjdk:8' locally
8: Pulling from library/openjdk
001c52e26ad5: Pull complete
d9d4b9b6e964: Pull complete
2068746827ec: Pull complete
9daef329d350: Pull complete
d85151f15b66: Pull complete
52a8c426d30b: Pull complete
8754a66e0050: Pull complete
Digest: sha256:86e863cc57215cfb181bd319736d0baf625fe8f150577f9eb58bd937f5452cb8
Status: Downloaded newer image for openjdk:8
root@65e59f7a3e26:/#
```



```
root@65e59f7a3e26:/# touch helloworld.java
root@65e59f7a3e26:/# ls
bin  dev  helloworld.java  lib  media  opt  root  sbin  sys  usr
boot  etc  home             lib64  mnt  proc  run  srv  tmp  var
root@65e59f7a3e26:/# cat >>helloworld.java
class helloworld{
public static void main(String args []){
System.out.println("Hello World!")
}
}^C
```

```
root@65e59f7a3e26:/# javac helloworld.java
root@65e59f7a3e26:/# java helloworld
Hello World!
root@65e59f7a3e26:/# exit
exit
```



```
C:\Users\LAB503>docker run -it python:3.9.19-bullseye
Python 3.9.19 (main, Aug 13 2024, 02:07:28)
[GCC 10.2.1 20210110] on linux
Type "help", "copyright", "credits" or "license" for more information.
```

```
>>> print("Hello World!")  
Hello World!  
>>>
```