

# docker task

1. `sudo docker run hello-world`

Unable to find image 'hello-world:latest' locally

latest: Pulling from library/hello-world

c1ec31eb5944: Pull complete

Digest: sha256:d211f485f2dd1dee407a80973c8f129f00d54604d2c90732e8e320e5038a0348

Status: Downloaded newer image for hello-world:latest

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/>

[this command creates the container, pulls the hello world image from dockerhub then inserts inside the created container]

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[ This command pulls the image hello world from dockerhub then docker daemon creates an container from image which runs the executables that produce output you are currently reading  
docker daemon transfers output to cli, which sent it to terminal ]

3. sudo docker container ls

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
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[This command runs the status of the currently active container]

4. sudo docker container ls -a

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
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818d8041baa4	hello-world	"/hello"	7 minutes ago	Exited (0)	7 minutes ago	strange_easley
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6530d5cd2700	hello-world	"/hello"	11 minutes ago	Exited (0)	11 minutes ago	affectionate_chandrasekhar
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[This command runs the status of the created containers]

5. sudo docker container rm 818d8041baa4

818d8041baa4

[This command removes the container mentioned with id]

6. sudo docker container stop 6530d5cd2700

6530d5cd2700

[This command stops the container]

7. sudo docker container start 6530d5cd2700

6530d5cd2700

[This command starts the container]

8. sudo docker image ls

REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
hello-world	latest	d2c94e258dcb	17 months ago	13.3kB

[This command lists the images created in the system]

9. sudo docker image rm hello-world

```
Untagged: hello-world:latest
```

Untagged: hello-

world@sha256:d211f485f2dd1dee407a80973c8f129f00d54604d2c90732e8e320e5038a0348

Deleted: sha256:d2c94e258dcb3c5ac2798d32e1249e42ef01cba4841c2234249495f87264ac5a

Deleted: sha256:ac28800ec8bb38d5c35b49d45a6ac4777544941199075dff8c4eb63e093aa81e

[Use this command to delete the image, use this after removing the image containing containers]