

Docker running verify

```
● PS C:\Users\ryand\Desktop\sem5\COMP3104\wk11> 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/
◆ PS C:\Users\ryand\Desktop\sem5\COMP3104\wk11> □
```

```
● PS C:\Users\ryand\Desktop\sem5\COMP3104\wk11> dir
Directory: C:\Users\ryand\Desktop\sem5\COMP3104\wk11

Mode                LastWriteTime         Length Name
----                -----          ----  --
d----
```

Mode	LastWriteTime	Length	Name
d----	11/16/2025 1:34 PM	5C	
-a----	11/16/2025 1:18 PM	673	app.py
-a----	11/16/2025 1:18 PM	506	Dockerfile
-a----	11/16/2025 1:18 PM	179	ReadMe.md
-a----	11/16/2025 1:18 PM	11	requirements.txt

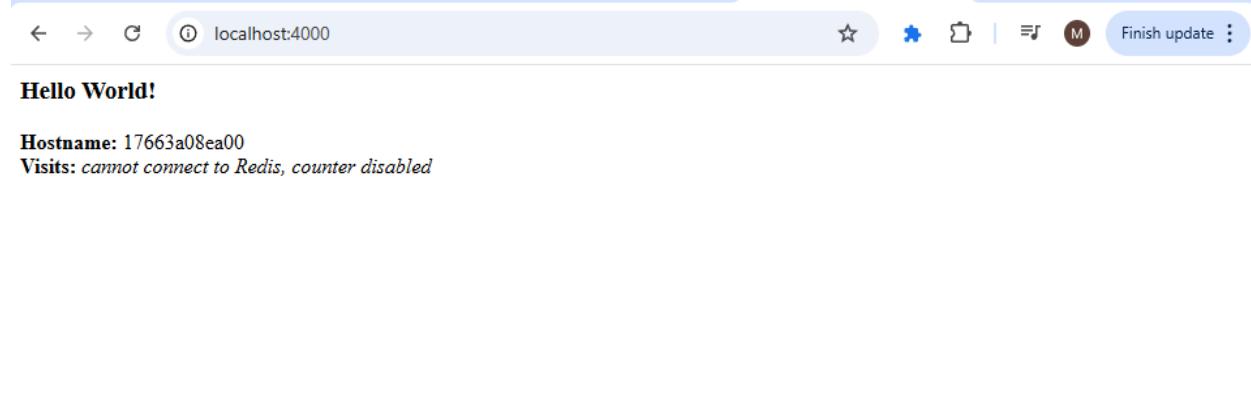
Docker build

```
PROBLEMS 1 OUTPUT DEBUG CONSOLE TERMINAL PORTS PLAYWRIGHT
● PS C:\Users\ryand\Desktop\sem5\COMP3104\wk11> docker build --tag=helldocker .
=> => transferring context: 2B
=> [1/4] FROM docker.io/library/python:2.7-slim@sha256:6c1ffdf499e29ea663e6e67 19.6s
=> => resolve docker.io/library/python:2.7-slim@sha256:6c1ffdf499e29ea663e6e67o 0.0s
=> => sha256:6c1ffdf499e29ea663e6e67c9b6b9a3b401d554d2c9f061f9a 1.86kB / 1.86kB 0.0s
=> => sha256:b68d40df862ac07e8955ea0fc0c80c5454cb4245b6165e79bc8ea2 1.16kB / 1.16kB 0.0s
=> => sha256:eeb27ee6b8930f04a917e457eda70d032b1574ec80d0b4ea41 7.95kB / 7.95kB 0.0s
=> => sha256:123275d6e508d282237a22fefa5aeef822b719a06496444ea 27.10MB / 27.10MB 15.6s
=> => sha256:dd1cd66375238ded36eeaaea07567a1997f7fd76611a517119ec 2.75MB / 2.75MB 2.0s
=> => sha256:0c4e6d630f2cb5403efb04352c40ed72f1884355253a0cc1 19.66MB / 19.66MB 18.8s
=> => sha256:13e9cd8f0ea14403e44c041c745ea5212658b6600021f6beb6fc484 2.18MB / 2.18MB 4.8s
=> => extracting sha256:123275d6e508d282237a22fefa5aeef822b719a06496444ea89efaa65d 1.2s
=> => extracting sha256:dd1cd66375238ded36eeaaea07567a1997f7fd76611a517119ec39fee 0.1s
=> => extracting sha256:0c4e6d630f2cb5403efb04352c40ed72f1884355253a0cc15486c4e6 0.5s
=> => extracting sha256:13e9cd8f0ea14403e44c745ea5212658b6600021f6beb6fc484f2570 0.2s
=> [internal] load build context
=> transferring context: 53.98kB
=> [2/4] WORKDIR /app
=> [3/4] COPY ./app
=> [4/4] RUN pip install --trusted-host pypi.python.org -r requirements.txt
=> exporting to image
=> exporting layers
=> writing image sha256:0421698d6a3b196326536f959bf0f5702f0a30f877ec7362b5da6
=> naming to docker.io/library/helldocker
View build details: docker-desktop://dashboard/build/desktop-linux/desktop-linux/bw9kutxt1jejpeoza8tw325u
What's next:
  View a summary of image vulnerabilities and recommendations → docker scout quickview
```

Docker image show

```
PS C:\Users\ryand\Desktop\sem5\COMP3104\wk11> docker image ls
REPOSITORY          TAG      IMAGE ID      CREATED       SIZE
hellodocker         latest   0421698d6a3b  32 seconds ago  159MB
comp3095_group-wellness-resource-service  latest   c705e4dccbbae  10 days ago   238MB
comp3095_group-event-service    latest   3cd8d31e3bec  10 days ago   228MB
comp3095_group-goal-tracking-service  latest   4bac7a5917ed  10 days ago   209MB
<none>              <none>  f2071423fbba  10 days ago   238MB
postgres            16      23ab7b9541a2  12 days ago   451MB
redis               7-alpine          7             7 days ago    451MB
```

Container running



The screenshot shows a web browser window with the URL `localhost:4000`. The page content is:

Hello World!

Hostname: 17663a08ea00
Visits: cannot connect to Redis, counter disabled

```
PS C:\Users\ryand\Desktop\sem5\COMP3104> docker container ls
CONTAINER ID        IMAGE               COMMAND             CREATED            STATUS              PORTS               NAMES
26ce2740020f        hellodocker        "python app.py"     8 seconds ago      Up 8 seconds      0.0.0.0:4000->80/tcp   practical_nooyce
PS C:\Users\ryand\Desktop\sem5\COMP3104>
```