

 **dockerized-streamlit-dev — docker-buildx ◀ docker build -t streamlit-dev...**

Last login: Sat Mar 22 14:10:16 on console

alveera@Alveeras-MacBook ~ % mkdir dockerized-streamlit-dev

cd dockerized-streamlit-dev

alveera@Alveeras-MacBook dockerized-streamlit-dev % touch Dockerfile

alveera@Alveeras-MacBook dockerized-streamlit-dev % nano Dockerfile

alveera@Alveeras-MacBook dockerized-streamlit-dev % touch app.py

alveera@Alveeras-MacBook dockerized-streamlit-dev % nano app.py

alveera@Alveeras-MacBook dockerized-streamlit-dev % nano requirements.txt

alveera@Alveeras-MacBook dockerized-streamlit-dev % cd path/to/dockerized-streamlit-dev

 **dockerized-streamlit-dev — nano Dockerfile — 80x24**

UW PICO 5.09

File: Dockerfile

Modified

```
# Use an official Python base image
FROM python:3.10
```

```
# Set the working directory inside the container
WORKDIR /app
```

```
# Copy the current directory contents into the container
COPY . .
```

```
# Install required Python libraries
RUN pip install --no-cache-dir streamlit
```

```
# Expose the default Streamlit port
EXPOSE 8501
```

```
# Command to run the Streamlit app
CMD ["streamlit", "run", "app.py"]
```

**^G** Get Help  
**^X** Exit

**^O** WriteOut  
**^J** Justify

**^R** Read File  
**^W** Where is

**^Y** Prev Pg  
**^V** Next Pg

**^K** Cut Text  
**^U** UnCut Text

**^C** Cur Pos  
**^T** To Spell

dockerized-streamlit-dev — nano app.py — 80x24

UW PICO 5.09File: app.pyModified

```
import streamlit as st

st.title("🚀 Dockerized Streamlit Development Environment")
st.write("Hello, World! This is a Streamlit app running inside Docker.")

# Add an interactive input
name = st.text_input("Enter your name:")
if name:
    st.write(f"Hello, {name}! Welcome to the Dockerized Streamlit app.")
```

^G Get Help^O WriteOut^R Read File^Y Prev Pg^K Cut Text^C Cur Pos

^X Exit^J Justify^W Where is^V Next Pg^U UnCut Text^T To Spell

dockerized-streamlit-dev — nano requirements.txt — 80x24

UW PICO 5.09File: requirements.txtModified

```
streamlit
```

^G Get Help^O WriteOut^R Read File^Y Prev Pg^K Cut Text^C Cur Pos

^X Exit^J Justify^W Where is^V Next Pg^U UnCut Text^T To Spell

```
alveera@Alveeras-MacBook dockerized-streamlit-dev % docker images
```

REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
streamlit-dev	latest	6bc01b89523c	25 seconds ago	1.53GB
alveerraa/fastapi-cd	latest	cc753250e38c	13 days ago	246MB
fastapi-cd	latest	cc753250e38c	13 days ago	246MB
postgres	latest	ea66d78708f6	6 weeks ago	457MB
mysql	latest	95f8d4e8e4b7	8 weeks ago	814MB
streamlit_app	latest	941dc12ec118	2 months ago	527MB
postgres	<none>	e9e3b6fe0ce3	4 months ago	457MB
hello-world	latest	ee301c921b8a	22 months ago	9.14kB

```
alveera@Alveeras-MacBook dockerized-streamlit-dev % █
```



# Dockerized Streamlit

## Development Environment

Hello, World! This is a Streamlit app running inside Docker.

Enter your name:

Alveera

Hello, Alveera! Welcome to the Dockerized Streamlit app.