



Chapter 1: An Introduction to Streamlit

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Streamlit - What it is:

-  **Streamlit v1.50.0** is a modern and simple Web framework which helps you to make PRODUCTION-level web apps (primarily for data science), at a very fast pace.
- It works by using prebuilt JavaScript Web components based on React and passing parameters from Python and then it renders.
- You can explore their website by clicking [here](#).

Setting things up:

- IMPORTANT: This book assumes you have the latest version of Python installed. Otherwise, the following procedures will not work.
- So, open your terminal and quickly run this command:

```
In [ ]: pip install streamlit
```

or if you have multiple Python installations, use the major and the minor numbers of the latest version, separated by a point (.), followed after `pip`. Such as if you have 3.13 of Python on your system, then the command should be:

```
In [ ]: pip3.13 install streamlit
```

Then run this for a demo:

```
In [ ]: import threading, os
        from IPython.display import IFrame

        def run_streamlit():
```

```
os.system("streamlit hello --server.headless true --server.port 8501")

threading.Thread(target=run_streamlit, daemon=True).start()
IFrame(src="http://localhost:8501", width="100%", height="600")
```

Summary We learnt how to start a demo example after setting up Streamlit.