1. Streamlit is a free and open-source framework to rapidly build and share machine learning and data science web apps.

The main features of Streamlit are: -

* No front-end knowledge is required, as codes are simple
* Less time consuming
* Less code is required to make apps
* Data caching simplifies and speeds up computation pipelines.

1. Sreamlit is a user-friendly platform as it is easy use and understand the code and less time consuming than other apps.
2. Interactive Dashboards

Machine learning model deployment

Data exploration apps

1. import streamlit as st

st.title(“My First App”)

st.write(“Welcome to my first app”)

st.image(“demo.jpg” , width = 500 , caption = ‘Hello Guys’)

Let’s save this as demo.py

Then for running we use the code

streamlit run demo.py

1. Streamlit commands to a normal python script and then run with the code streamlit run
2. Slider: -

st.slider() is used for slider

Text Input: -

st.text\_input() is used for taking text from the user

Button: -

st.button() is used for button

1. Separating input and output locations

Creating components for reusability

Adding texts

Extra folders

Splitting Functional code from UI code

1. After running the code we will get a URL called Local URL by this we can deploy locally easily
2. Add your app to Github

From Streamlit workspace click New App

Paste the github repository link and additional details3

Click Deploy

The app will deploy in the browser

1. Contains all the package dependencies that our application needs