It is a lib. of python used for build and share data apps.

It does not require knowledge java, & web dev. Languages like Html CSS etc.

Streamlit is lib is built on one of the java lib. called as React. Streamlit uses react in behind to show front end to users and for backend it uses python's backend.

```
import streamlit as st
import pandas as pd
import time
```

Title

```
st.title('Startup Dashboard')
```

Header

```
st.header('I am learning Streamlit')
```

Subheader

```
st.subheader('Salman Khan!')
```

Write

```
st.write('This is a normal text')
```

Markdown

```
st.markdown("""
### My favorite movies
- Race 3
- Humshakals
- Housefull
""")
```

Code

```
st.code("""
def foo(input):
    return foo**2

x = foo(2)
""")
```

Latex

```
st.latex('x^2 + y^2 + 2 = 0')

df = pd.DataFrame({
```

```
  'name': ['Nitish', 'Ankit', 'Anupam'],
  'marks': [50, 60, 70],
  'package': [10, 12, 14]
})
```

Dataframe

```
st.dataframe(df)
```

Metric

```
st.metric('Revenue', 'Rs 3L', '-3%')
```

json

```
st.json({
  'name': ['Nitish', 'Ankit', 'Anupam'],
  'marks': [50, 60, 70],
  'package': [10, 12, 14]
})
```

Importing Image

```
st.image('unnamed.jpg')
```

Importing video

```
st.video('Task12.m4v')
```

Importing Audio

```
st.audio('Task12.m4v')
```

Adding Sidebar

```
st.sidebar.title('Sidebar ka Title')
```

Two/Three things side by side

```
col1, col2, col3 = st.columns(3)

with col1:
  st.image('unnamed.jpg')

with col2:
  st.image('unnamed.jpg')

with col3:
  st.image('unnamed.jpg')
```

Showing error

```
st.error('Login Failed')

st.success('Login Successful')

st.info('Login Successful')

st.warning('Login warning')
```

```
bar = st.progress(0)

for i in range(1, 101):
    ## Time.sleep(0.1)
    bar.progress(i)
```

Taking I/P

```
email = st.text_input('Enter email')
number = st.number_input('Enter age')
st.date_input('Enter regis date')

email = st.text_input('Enter email')
password = st.text_input('Enter password’)
```

Adding selection box

```
gender = st.selectbox('Select gender',['male','female','others'])
```

Adding Button

```
btn = st.button('Login Karo')

# if the button is clicked
if btn:
    if email == 'nitish@gmail.com' and password == '1234':
        st.balloons()
        st.write(gender)
    else:
        st.error('Login Failed')
```

Adding Uploader

```
file = st.file_uploader('Upload a csv file')

if file is not None:
    df = pd.read_csv(file)
    st.dataframe(df.describe())
```