Streamlit

pip install streamlit

streamlit --help

streamlit run filename.py

```
import streamlit as st
# Title
st.title("machile learning project")

# header/subheader
st.header("header")
st.subheader("subheader")

# text
st.text("text")
```

Markdown
st.markdown ("markdown")

st.markdown ("# markdown") #bold

Error or colorful text

st.success ("Successfull done")

information
st.info ("info")

warning
st.warning ("this is warning")

error
st.error ("error")

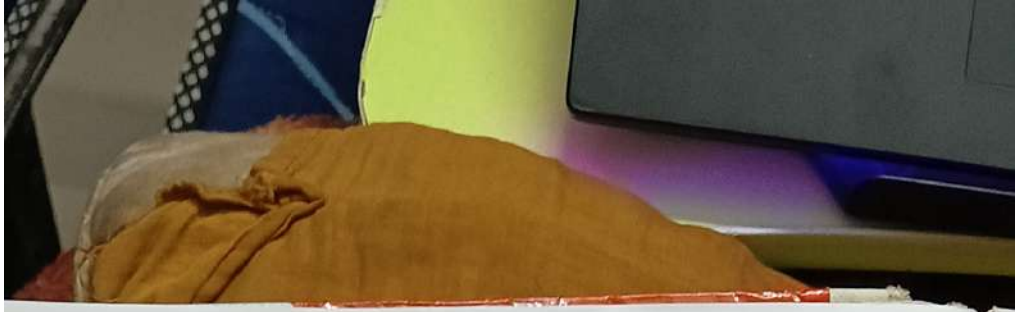
Exception
st.exception ("NameError ('name is not defined')")

help pandas
st.help (pandas)
st.help (range)

writing text Super function
st.write ("text with write")

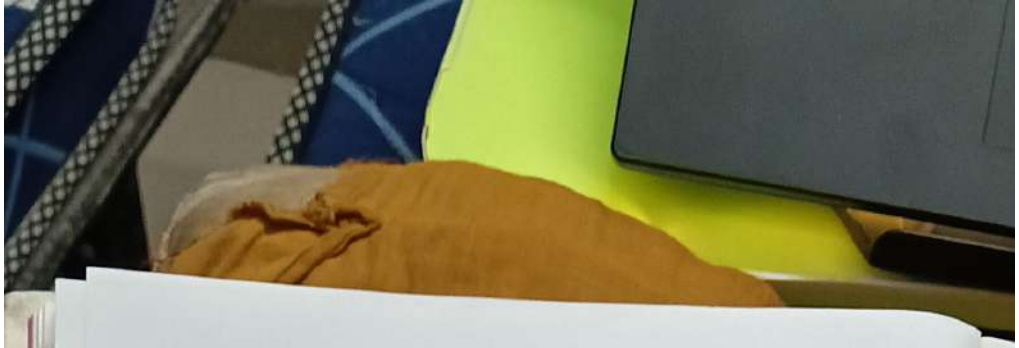
range
st.write (range(10))

# image
from PIL import Image
img = Image.open ("1.jpg")
st.image (img)



```
st.image(img, width = 300, caption = "Simple img")

# video add:
    vid_file = open("job.mov", "rb")
    vid_byte = vid_file.read()
    st.video(video_byte)

# audio
    audio_file = open("pop.mp", "rb").read()
    st.video(audio file)

# Check box
    if st.checkbox ("show /hide"):
        st.text ("Showing or hiding widget")

# radio button
    status = st.radio ("what is your gender",
                       ("Male", "Female"))

# link with some function.
    if status == "Male":
        st.success ("you are male")

# Else function.

    else:
        st.warning ("only hiring female")

# Select box
    occupation = st.selectinbox ("your occupation"
                 ["Programmer", "DS", "Doctor"])

    st.write ("you Selected", occupation)
```

```
# multiselect

location = st.multiselect ("where do you work",
        ("karnataka", "Mumbai", "Pune", "Delhi"))

# to get count of selected
st.write ("you selected", len(location), "locations")

# Slider
level = st.slider ("what is your level", 1, 5)

# Buttons
st.button ("simple button")
if st.button ("About"):
        st.text ("Streamlit is good")

# text input

first_name = st.text_input ("Enter your name", "Type here")
if st.button ("submit", key = "1"):
        result = first_name.title()
        st.success (result)


# Text area.
message = st.text_area ("Enter your message", "Type...")
if st.button ("submit", key = '2'):
        result = message.title()
        st.success (result)

# Date time
import datetime
today = st.date_input ("Today is", datetime.datetime.now
                                        ())
```



```
# Time
    time is = st.time_input("The time is", datetime.time(now))

# Display Json data
    st.text("Display json data")
    st.json({"Name": "Shivam",
             "Gender": "Male"})

# display raw data and make it copy

    st.text("Display raw code")
    st.code("import numpy as np")

# for multiple row data

    with st.echo():
        import pandas as pd
        df = pd.DataFrame()

# progress bar
    import time
    my_bar = st.progress(0)
    for p in range(10):
        my_bar.progress(p+10)

# Spinner

with st.spinner("waiting ..."):
        time.sleep(10)
st.success("Finished")

# import streamlit as st
    st.title("Happy Always Man")
    # Ballon
    st.balloons()
```

```
# sidebar
st.sidebar.header("About")
st.sidebar.text("This is our demo project")

# selectbox
algorithms = st.sidebar.selectbox("your Algorithms",
    ["LR", "DT", "RF"])
```