**GIT/GITHUB AND STREAMLIT**

1. **Installation**

**On Cmd: pip install streamlit**

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1. **Check if installed:**

**On Cmd: streamlit helloA screen shot of a computer

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1. **On Cmd you shld se:**

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1. **Streamlit Hello Page**

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1. **Cmd to install venv: python -m venv myenv**

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1. **Navigate to scripts: cd scripts**

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1. **Check the directory**

**Command: dir**

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1. **Activate the streamlit environment:**

**Command: activate**

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1. **Run: activate**

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1. **To verify, Run: streamlit hello**

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1. **Go to VS code, Open folder which contains myenv**

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1. **Create a new file app.py in the folder**

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1. **Go to https://docs.streamlit.io/**

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1. **Go to** [**https://docs.streamlit.io/get-started/tutorials/create-an-app**](https://docs.streamlit.io/get-started/tutorials/create-an-app)
2. **Create a title Page in Streamlit**

import streamlit as st

import pandas as pd

import numpy as np

st.title('Uber pickups in NYC')

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1. **Go to cmd: streamlit run app.pyA screenshot of a computer

   Description automatically generated**
2. **Output**

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1. **Using Magic Commands:**

import streamlit as st

import pandas as pd

st.write("Here's our first attempt at using data to create a table:")

st.write(pd.DataFrame({

    'first column': [1, 2, 3, 4],

    'second column': [10, 20, 30, 40]

}))

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1. **Refresh/Rerun**

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1. **Creating Plots Using magic commands**

import streamlit as st

import numpy as np

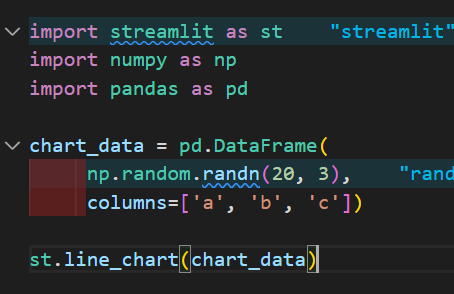
import pandas as pd

chart\_data = pd.DataFrame(

     np.random.randn(20, 3),

     columns=['a', 'b', 'c'])

st.line\_chart(chart\_data)

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1. **Refresh/Rerun**

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1. **Creating a Table Using Magic commands**

import streamlit as st

import numpy as np

import pandas as pd

dataframe = pd.DataFrame(

    np.random.randn(10, 20),

    columns=('col %d' % i for i in range(20)))

st.table(dataframe)

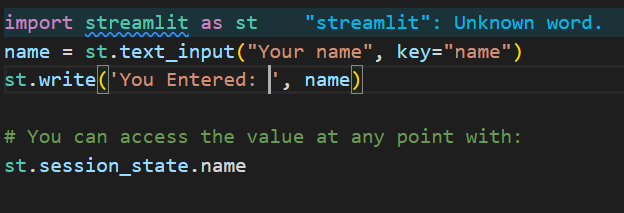
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1. **Refresh/Rerun**

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1. **Making a Text Input:**

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1. **Rerun/Refresh**

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1. **Create a .evn file in your environment**

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1. **On Cmd, run: pip install python-dotenv**

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Description automatically generatedPushing Your Code to GitHub:**

1. **Create a .gitignore file**

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1. **Contents of .gitignore file:**

#.gitignore

# Ignore the virtual environment folder

myenv/

env/

# Ignore Python cache files

\_pycache\_/

\*.py[cod]

\*.pyo

# Ignore system files

.DS\_Store

Thumbs.db

# Ignore IDE/editor-specific files

.vscode/

.idea/

\*.sublime-workspace

\*.sublime-project

# Ignore logs and temporary files

\*.log

\*.tmp

# Ignore configuration files and secrets

.env

# Ignore Jupyter Notebook checkpoints (if applicable)

.ipynb\_checkpoints/

# Ignore compiled Python files

\*.pyc

1. **Initialize a repository:**
2. **Initialize a repository, Command: git init**

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1. **Move the app.py,.gitignore,.env file outside the myenv folder**

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1. **Git add, command: git add .**

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1. **Check status: git status**

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1. **Create a New Git Hub repo**

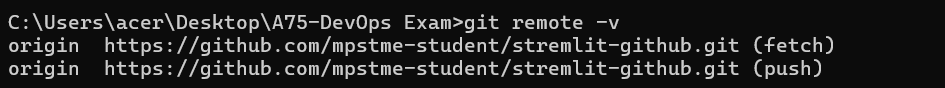
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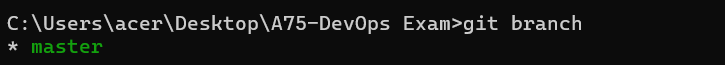
1. **Connect your repository: git remote add origin https://github.com/dakshita-thakkar/streamlit-github.git**

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1. **Verify: git remote -v**

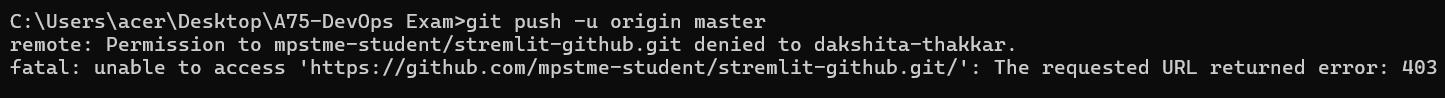


1. **Verify the branch, Command: git branch**

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1. **During pushing, Git might throw a Permissions Denied Error**

**git push -u origin master**

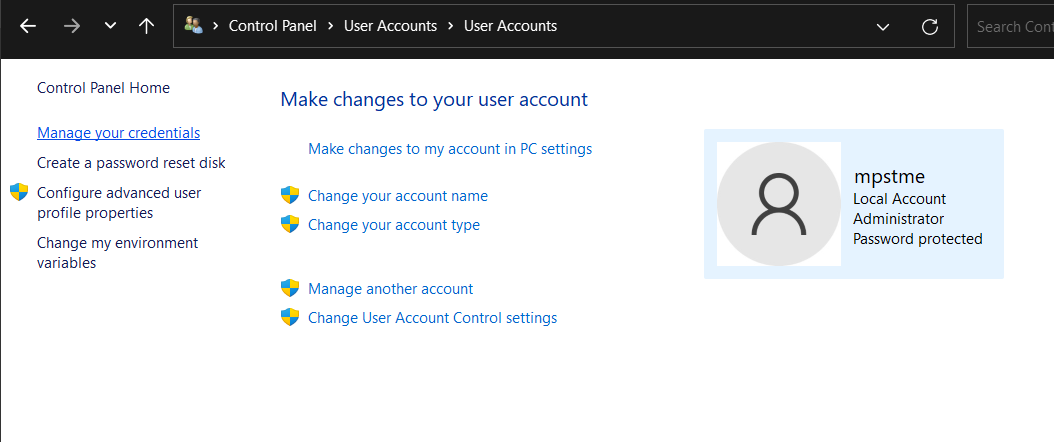


**Run: git credential-manager clear**

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**Go To Control Panel>User Accounts>User Accounts>Manage Credentials**

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**Remove your GitHub credentials**

1. **Push your files again: git push -u origin master**

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**DEPLOYING YOUR APP ON STREAMLIT CLOUD**

1. **Go to Stramlit Community Cloud-> Login using GitHub**

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1. **Deploy App**

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**Deploy Your Streamlit App on Streamlit Cloud:**

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