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In [ ]: streamlit
        genAI
```

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In [ ]: streamlit - open source python library
        - interactive web app
        - create webApp,dashboard,reporting
        - without needing html,css,java script

|
pip install streamlit

streamlit run filename.py
    (or)
python -m streamlit run filename.py

import streamlit
streamlit.function()
    | -> WebInterface

title()
text()
header()
..
..

streamlit.title()
streamlit.head()

import streamlit as st
st.title()
st.header()
st.fx()
```

```
In [1]: import streamlit
```

```
In [2]: import os
        os.getcwd()
```

```
Out[2]: 'C:\\Users\\karth'
```

```
In [3]: os.chdir('C:\\Users\\karth\\Karthik\\Python-Class\\Cisco-Training\\Streamlit-Exa
```

```
In [4]: os.getcwd()
```

```
Out[4]: 'C:\\Users\\karth\\Karthik\\Python-Class\\Cisco-Training\\Streamlit-Examples'
```

```
In [5]: ! streamlit run p1.py
```

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```
In [6]: import pandas as pd
        pd.DataFrame({'Col1':[10,20,30], 'Col2':[12,13,14], 'Col3':['d1','d2','d3']})
```

```
Out[6]:
```

	Col1	Col2	Col3
0	10	12	d1
1	20	13	d2
2	30	14	d3

```
In [8]: os.chdir('C:\\Users\\karth')
```

```
In [9]: pd.read_csv('emp.csv')
```

```
Out[9]:
```

	eid	ename	dept	ecity	ecost
0	101	raj	sales	pune	1000
1	102	leo	prod	bgllore	2301
2	230	raj	prod	pune	2300
3	450	shan	sales	bgllore	3401
4	542	anu	HR	mumbai	4590
5	321	bibu	sales	hyd	5419
6	651	ram	hr	bgllore	3130
7	541	leo	admin	chennai	4913
8	652	karthik	sales	bgllore	3405

```
In [11]: os.chdir('C:\\Users\\karth\\streamlit_examples')
```

```
In [12]: ! streamlit run p5.py
```

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```
In [ ]: GenAI
- llm - Text Generate
      .....
      NLP
      |->Encoding

      Hello ----> 110101 (vector) -----> DataBase(VectorDataBase)

Hello Good morning -----> Vector [10101 10101 11010]

Hello,How are you how is your work ---->Vector [...]
-----
|
stop words => is are how ==> Hello how your work --> [1010 1010 10101 10101]

End User -> Get some list of sales emp's records //plain english(text) - not
-----
      | | formatted style of report
      | |
      llm(model)
      | |
      select *from table where dept = "sales" <== Query
```

