While you're working through the upcoming coding module, you might encounter some hiccups with the code. But fear not!! As a first step, you can Google the exact error message and look for solutions, especially on Stack Overflow website (it's like self-debugging, which is a great skill for any developer to have). If you're still stuck or from a non-technical background, we've got your back!! Reach out to us at aakriti.elearning@gmail.com … Be sure to include your code, details of what you've tried, and the specific error message. **We're here to help!!**

We have compiled some of the most common scenarios and how to fix them:

1: Error code: 429 - {'error': {'message': 'You exceeded your current quota, please check your plan and billing details. For more information on this error, read the docs: https://platform.openai.com/docs/guides/error-codes/api-errors.', 'type': 'insufficient_quota', 'param': None, 'code': 'insufficient_quota'}}

You've hit the 429 error, which means your OpenAI credits are nil.

If you're new to OpenAI, they have reportedly discontinued the free credit offer. For old users, credits expire every 3 months (from ChatGPT or OpenAI account creation date).

The best way to check your credit balance is by visiting the link: https://platform.openai.com/account/billing/overview

If you see a $0 balance, you would need to recharge your account.

Once you've recharged, use small documents so you don't use up the credits quickly.

2: ImportError: Could not import openai python package. Please install it with `pip install openai`.

Make sure you have the openai package installed. You can do so by typing "pip install openai" in the Pycharm/IDE terminal window.

If the problem still persists, it may be worthwhile to uninstall and re-install the package. So you can do:

a: pip uninstall openai

b: Once done -> pip install openai

3: ImportError: Could not import tiktoken python package. This is needed in order to for OpenAIEmbeddings. Please install it with `pip install tiktoken`.

You will have to install the tiktoken package. You can do so by typing "pip install tiktoken" in the Pycharm/IDE terminal window.

4: Error: Streamlit requires raw Python (.py) files, but the provided file has no extension.

This can happen if your py file path has spaces in between. Please make sure you are putting the path in double quotes, example:

streamlit run "D:\GenAI\4 - Building Your Own GenAI Projects\chatbot.py"

5: Problems getting the Streamlit URL on Jupyter Notebook/Google Colab

Let's just say Jupyter (or Colab) and Streamlit aren't very compatible together -
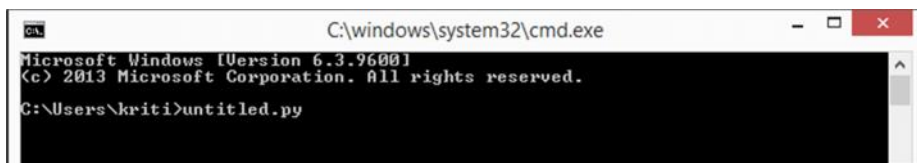 https://stackoverflow.com/a/76476820

While there are options to enable streamlit URL generation from either one, it's a complicated process. The best option should be to:

a: save the code as a **.py file** on to your local system (assumes you have Python installed on your system)

b: Go to command prompt (In Windows, press Win + R >> type "cmd" and hit enter)

c: Install the libraries - Type in "pip install streamlit pypdf2 langchain faiss-cpu"

d: Once installed, go to the path where the downloaded py file present and run the file like below

e: This will give you the streamlit run statement - copy & run it

```
C:\Users\kriti>untitled.py
2024-01-18 00:15:11.399
  ←[33m←[1mWarning:←[0m to view this Streamlit app on a browser, run it with the
following
  command:

    streamlit run C:\Users\kriti\untitled.py [ARGUMENTS]
```

f: This will give you the local URL to run in browser

```
C:\Users\kriti>untitled.py
2024-01-18 00:15:11.399
  ←[33m←[1mWarning:←[0m to view this Streamlit app on a browser, run it
following
  command:

    streamlit run C:\Users\kriti\untitled.py [ARGUMENTS]

C:\Users\kriti>streamlit run C:\Users\kriti\untitled.py

  You can now view your Streamlit app in your browser.

  Local URL: http://localhost:8501
  Network URL: http://192.168.1.6:8501
```

6: FAISS error:

 Building wheel for faiss-cpu (pyproject.toml) did not run successfully.
  | exit code: 1
  └─> [8 lines of output]
    running bdist_wheel
    running build
    running build_py
    running build_ext
    building 'faiss._swigfaiss' extension
    swigging faiss\faiss\python\swigfaiss.i to faiss\faiss\python\swigfaiss_wrap.cpp
    swig.exe -python -c++ -Doverride= -I/usr/local/include -Ifaiss -doxygen -DSWIGWIN -module
swigfaiss -o faiss\faiss\python\swigfaiss_wrap.cpp faiss\faiss\python\swigfaiss.i
    error: command 'swig.exe' failed: None
    [end of output]

  note: This error originates from a subprocess, and is likely not a problem with pip.
  ERROR: Failed building wheel for faiss-cpu
Failed to build faiss-cpu
ERROR: Could not build wheels for faiss-cpu, which is required to install pyproject.toml-based
projects

It seems faiss does not support Python 3.12 and higher. Please see this
https://github.com/kyamagu/faiss-wheels/issues/80#issuecomment-1865259743

You can download a different python version from this link:
https://www.python.org/downloads/windows/

First uninstall the current one and restart your machine. Then you can install any of the 3.11 version (say 3.11.6).

You can check the python version installed by going to cmd and typing python --version