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preg_resp_v6_.ipynb - Colaboratory
# Summary of Code by Pedro Yanez:
# It allows to query your own big corpus, using query api.
# Install libraries
# Import langchain, embedding and vectorizing functions
# Indicate openai personal key
# 959 pages pdf "Handbook of Conflict Resolution" is transformed to corpus, as .txt, using the webpage https://www.sketchengine.eu/
# communicate and allow google colab to access my google drive
# load pdf. First loaded an extract then tried to load entire file. Through trial and error I realized: I can only load small files, beause o
# to embeddings when files exceed certain amount of tokens.
# Also I realized is not possible to vectorize more than two files per minute because of restriction related to tokens allowed to vectorize p
# For this reason, the big file Handbook of Conflict Resolution.txt, is converted to many small files. Each file has 300 lines and the files
# are called small file 300 , small file 600, small file 900, and so on, until small file 38700.
# each file , doing a for loop starting in 300 to 600 to 900 and so on, are loaded and then vectorized. There is a sleep of 30 seconds, to m
# two files per minute and loaded and vectorized. In this way, it doesn't fail due to restrictions related to size of file, or amount of file
# per minute.
# The query "who is ellen raider", answers "I don't know" before the loading of the entire corpus.
# After the loading of the corpus, the query brings the answer.
pip install langchain
Collecting langehain
       Downloading langchain-0.0.352-py3-none-any.whl (794 kB)
                                                                                   794.4/794.4 kB 10.2 MB/s eta 0:00:00
     Requirement already satisfied: PyYAML>=5.3 in /usr/local/lib/python3.10/dist-packages (from langchain) (6.0.1)
     Requirement already satisfied: SQLAlchemy<3,>=1.4 in /usr/local/lib/python3.10/dist-packages (from langchain) (2.0.23)
     Requirement already satisfied: aiohttp<4.0.0,>=3.8.3 in /usr/local/lib/python3.10/dist-packages (from langchain) (3.9.1)
     Requirement already satisfied: async-timeout<5.0.0,>=4.0.0 in /usr/local/lib/python3.10/dist-packages (from langchain) (4.0.3)
    Collecting dataclasses-json<0.7,>=0.5.7 (from langchain)
       Downloading dataclasses_json-0.6.3-py3-none-any.whl (28 kB)
     Collecting jsonpatch<2.0,>=1.33 (from langchain)
       Downloading jsonpatch-1.33-py2.py3-none-any.whl (12 kB)
     Collecting langchain-community<0.1,>=0.0.2 (from langchain)
       Downloading langchain_community-0.0.6-py3-none-any.whl (1.5 MB)
                                                                                 — 1.5/1.5 MB 47.0 MB/s eta 0:00:00
    Collecting langchain-core<0.2,>=0.1 (from langchain)
       Downloading langchain_core-0.1.3-py3-none-any.whl (192 kB)
                                                                                  - 192.4/192.4 kB 19.5 MB/s eta 0:00:00
    Collecting langsmith<0.1.0,>=0.0.70 (from langchain)
       Downloading langsmith-0.0.75-py3-none-any.whl (46 kB)
                                                                                  - 46.7/46.7 kB 5.2 MB/s eta 0:00:00
     Requirement already satisfied: numpy<2,>=1 in /usr/local/lib/python3.10/dist-packages (from langchain) (1.23.5)
     Requirement already satisfied: pydantic<3,>=1 in /usr/local/lib/python3.10/dist-packages (from langchain) (1.10.13)
     Requirement already satisfied: requests<3,>=2 in /usr/local/lib/python3.10/dist-packages (from langchain) (2.31.0)
     Requirement already satisfied: tenacity<9.0.0,>=8.1.0 in /usr/local/lib/python3.10/dist-packages (from langchain) (8.2.3)
     Requirement already satisfied: attrs>=17.3.0 in /usr/local/lib/python3.10/dist-packages (from aiohttp<4.0.0,>=3.8.3->langchain) (23.1.0)
     Requirement already satisfied: multidict<7.0,>=4.5 in /usr/local/lib/python3.10/dist-packages (from aiohttp<4.0.0,>=3.8.3->langchain) (@
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Requirement already satisfied: yarl<2.0,>=1.0 in /usr/local/lib/python3.10/dist-packages (from aiohttp<4.0.0,>=3.8.3->langchain) (1.9.4)
Requirement already satisfied: frozenlist>=1.1.1 in /usr/local/lib/python3.10/dist-packages (from aiohttp<4.0.0,>=3.8.3->langchain) (1.4
Requirement already satisfied: aiosignal>=1.1.2 in /usr/local/lib/python3.10/dist-packages (from aiohttp<4.0.0,>=3.8.3->langchain) (1.3.
Collecting marshmallow<4.0.0,>=3.18.0 (from dataclasses-json<0.7,>=0.5.7->langchain)
   Downloading marshmallow-3.20.1-py3-none-any.whl (49 kB)
                                                                                                                                     - 49.4/49.4 kB 5.4 MB/s eta 0:00:00
Collecting typing-inspect<1,>=0.4.0 (from dataclasses-json<0.7,>=0.5.7->langchain)
   Downloading typing_inspect-0.9.0-py3-none-any.whl (8.8 kB)
Collecting jsonpointer>=1.9 (from jsonpatch<2.0,>=1.33->langchain)
   Downloading jsonpointer-2.4-py2.py3-none-any.whl (7.8 kB)
Requirement already satisfied: anyio<5,>=3 in /usr/local/lib/python3.10/dist-packages (from langchain-core<0.2,>=0.1->langchain) (3.7.1)
Requirement already satisfied: packaging<24.0,>=23.2 in /usr/local/lib/python3.10/dist-packages (from langchain-core<0.2,>=0.1->langchai
Requirement already satisfied: typing-extensions>=4.2.0 in /usr/local/lib/python3.10/dist-packages (from pydantic<3,>=1->langchain) (4.5
Requirement already satisfied: charset-normalizer<4,>=2 in /usr/local/lib/python3.10/dist-packages (from requests<3,>=2->langchain) (3.3
Requirement already satisfied: idna<4,>=2.5 in /usr/local/lib/python3.10/dist-packages (from requests<3,>=2->langchain) (3.6)
Requirement already satisfied: urllib3<3,>=1.21.1 in /usr/local/lib/python3.10/dist-packages (from requests<3,>=2->langchain) (2.0.7)
Requirement already satisfied: certifi>=2017.4.17 in /usr/local/lib/python3.10/dist-packages (from requests<3,>=2->langchain) (2023.11.1
Requirement already satisfied: greenlet!=0.4.17 in /usr/local/lib/python3.10/dist-packages (from SQLAlchemy<3,>=1.4->langchain) (3.0.2)
Requirement already satisfied: sniffio>=1.1 in /usr/local/lib/python3.10/dist-packages (from anyio<5,>=3->langchain-core<0.2,>=0.1->lang
Requirement already satisfied: exceptiongroup in /usr/local/lib/python3.10/dist-packages (from anyio<5,>=3->langchain-core<0.2,>=0.1->langchain-core<0.2,>=0.1->langchain-core<0.2,>=0.1->langchain-core<0.2,>=0.1->langchain-core<0.2,>=0.1->langchain-core<0.2,>=0.1->langchain-core<0.2,>=0.1->langchain-core<0.2,>=0.1->langchain-core<0.2,>=0.1->langchain-core<0.2,>=0.1->langchain-core<0.2,>=0.1->langchain-core<0.2,>=0.1->langchain-core<0.2,>=0.1->langchain-core<0.2,>=0.1->langchain-core<0.2,>=0.1->langchain-core<0.2,>=0.1->langchain-core<0.2,>=0.1->langchain-core<0.2,>=0.1->langchain-core<0.2,>=0.1->langchain-core<0.2,>=0.1->langchain-core<0.2,>=0.1->langchain-core<0.2,>=0.1->langchain-core<0.2,>=0.1->langchain-core<0.2,>=0.1->langchain-core<0.2,>=0.1->langchain-core<0.2,>=0.1->langchain-core<0.2,>=0.1->langchain-core<0.2,>=0.1->langchain-core<0.2,>=0.1->langchain-core<0.2,>=0.1->langchain-core<0.2,>=0.1->langchain-core<0.2,>=0.1->langchain-core<0.2,>=0.1->langchain-core<0.2,>=0.1->langchain-core<0.2,>=0.1->langchain-core<0.2,>=0.1->langchain-core<0.2,>=0.1->langchain-core<0.2,>=0.1->langchain-core<0.2,>=0.1->langchain-core<0.2,>=0.1->langchain-core<0.2,>=0.1->langchain-core<0.2,>=0.1->langchain-core<0.2,>=0.1->langchain-core<0.2,>=0.1->langchain-core<0.2,>=0.1->langchain-core<0.2,>=0.1->langchain-core<0.2,>=0.1->langchain-core<0.2,>=0.1->langchain-core<0.2,>=0.1->langchain-core<0.2,>=0.1->langchain-core<0.2,>=0.1->langchain-core<0.2,>=0.1->langchain-core<0.2,>=0.1->langchain-core<0.2,>=0.1->langchain-core<0.2,>=0.1->langchain-core<0.2,>=0.1->langchain-core<0.2,>=0.1->langchain-core<0.2,>=0.1->langchain-core<0.2,>=0.1->langchain-core<0.2,>=0.1->langchain-core<0.2,>=0.1->langchain-core<0.2,>=0.1->langchain-core<0.2,>=0.1->langchain-core<0.2,>=0.1->langchain-core<0.2,>=0.1->langchain-core<0.2,>=0.1->langchain-core<0.2,>=0.1->langchain-core<0.2,>=0.1->langchain-core<0.2,>=0.1->langchain-core<0.2,>=0.1->langchain-core<0.2,>=0.1->langchain-core<0.2,>=0.1->langchain-core<0.2,>=0.1->langchain-core<0.2,>=0.1->langchain-core
Collecting mypy-extensions>=0.3.0 (from typing-inspect<1,>=0.4.0->dataclasses-json<0.7,>=0.5.7->langchain)
   Downloading mypy_extensions-1.0.0-py3-none-any.whl (4.7 kB)
Installing collected packages: mypy-extensions, marshmallow, jsonpointer, typing-inspect, langsmith, jsonpatch, langchain-core, dataclas
Successfully installed dataclasses-json-0.6.3 jsonpatch-1.33 jsonpointer-2.4 langchain-0.0.352 langchain-community-0.0.6 langchain-core-
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pip install openai
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Collecting openai
  Downloading openai-1.6.1-py3-none-any.whl (225 kB)
                                                                               225.4/225.4 kB 3.1 MB/s eta 0:00:00
Requirement already satisfied: anyio<5,>=3.5.0 in /usr/local/lib/python3.10/dist-packages (from openai) (3.7.1)
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Requirement already satisfied: distro<2,>=1.7.0 in /usr/lib/python3/dist-packages (from openai) (1.7.0)
    Collecting httpx<1,>=0.23.0 (from openai)
       Downloading httpx-0.26.0-py3-none-any.whl (75 kB)
                                                                                   75.9/75.9 kB 7.8 MB/s eta 0:00:00
     Requirement already satisfied: pydantic<3,>=1.9.0 in /usr/local/lib/python3.10/dist-packages (from openai) (1.10.13)
     Requirement already satisfied: sniffio in /usr/local/lib/python3.10/dist-packages (from openai) (1.3.0)
     Requirement already satisfied: tqdm>4 in /usr/local/lib/python3.10/dist-packages (from openai) (4.66.1)
    Collecting typing-extensions<5,>=4.7 (from openai)
       Downloading typing_extensions-4.9.0-py3-none-any.whl (32 kB)
     Requirement already satisfied: idna>=2.8 in /usr/local/lib/python3.10/dist-packages (from anyio<5,>=3.5.0->openai) (3.6)
     Requirement already satisfied: exceptiongroup in /usr/local/lib/python3.10/dist-packages (from anyio<5,>=3.5.0->openai) (1.2.0)
     Requirement already satisfied: certifi in /usr/local/lib/python3.10/dist-packages (from httpx<1,>=0.23.0->openai) (2023.11.17)
    Collecting httpcore==1.* (from httpx<1,>=0.23.0->openai)
       Downloading httpcore-1.0.2-py3-none-any.whl (76 kB)
                                                                                  - 76.9/76.9 kB 7.7 MB/s eta 0:00:00
    Collecting h11<0.15,>=0.13 (from httpcore==1.*->httpx<1,>=0.23.0->openai)
       Downloading h11-0.14.0-py3-none-any.whl (58 kB)
                                                                                  - 58.3/58.3 kB 6.2 MB/s eta 0:00:00
    Installing collected packages: typing-extensions, h11, httpcore, httpx, openai
       Attempting uninstall: typing-extensions
         Found existing installation: typing\_extensions 4.5.0
         Uninstalling typing_extensions-4.5.0:
           Successfully uninstalled typing_extensions-4.5.0
     ERROR: pip's dependency resolver does not currently take into account all the packages that are installed. This behaviour is the source
    llmx 0.0.15a0 requires cohere, which is not installed.
    llmx 0.0.15a0 requires tiktoken, which is not installed.
     tensorflow-probability 0.22.0 requires typing-extensions<4.6.0, but you have typing-extensions 4.9.0 which is incompatible.
    Successfully installed h11-0.14.0 httpcore-1.0.2 httpx-0.26.0 openai-1.6.1 typing-extensions-4.9.0
Haz doble clic (o pulsa Intro) para editar
import os
import sys
pip install constants
    Collecting constants
       Downloading constants-2023.2.0.tar.gz (5.4 kB)
       Preparing metadata (setup.py) ... done
    Collecting tox (from constants)
       Downloading tox-4.11.4-py3-none-any.whl (153 kB)
                                                                                   - 154.0/154.0 kB 3.0 MB/s eta 0:00:00
    INFO: pip is looking at multiple versions of constants to determine which version is compatible with other requirements. This could take
    Collecting constants
       Downloading constants-0.6.0.tar.gz (5.1 kB)
       Preparing metadata (setup.py) ... done
    Building wheels for collected packages: constants
       Building wheel for constants (setup.py) ... done
       Created wheel for constants: filename=constants-0.6.0-py3-none-any.whl size=5456 sha256=eee68b1963599ae18aa874c59cb54674d1baaef32ca80t
       Stored in directory: /root/.cache/pip/wheels/5b/96/3c/386c2342a8a1bdd317f2f250bd076c13938c6f598c4a40ec14
     Successfully built constants
    Installing collected packages: constants
    Successfully installed constants-0.6.0
    4
import constants
from langchain.document_loaders import TextLoader
from langchain.indexes import VectorstoreIndexCreator
#os.environ["OPENAI_API_KEY"] = constants.APIKEY
import getpass
import os
os.environ["OPENAI API KEY"] = getpass.getpass("OpenAI API Key:")
    OpenAI API Key:....
query = sys.argv[1]
print (query)
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-f

from google.colab import drive
drive.mount('/content/drive')

Mounted at /content/drive

 $loader = TextLoader('/content/drive/MyDrive/proyecto_python/extracto_handbook_of_conflict_resolution.txt')$

pip install chromadb

```
Collecting chromadb
   Downloading chromadb-0.4.21-py3-none-any.whl (508 kB)
                                                                                                              - 508.6/508
Requirement already satisfied: requests>=2.28 in /usr/local/lib/python3.10/dist-packages
Requirement already satisfied: pydantic>=1.9 in /usr/local/lib/python3.10/dist-packages
Collecting chroma-hnswlib==0.7.3 (from chromadb)
   \label{lower_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_power_pow
Collecting fastapi>=0.95.2 (from chromadb)
   Downloading fastapi-0.108.0-py3-none-any.whl (92 kB)
                                                                                                            — 92.0/92.6
Collecting uvicorn[standard]>=0.18.3 (from chromadb)
   Downloading uvicorn-0.25.0-py3-none-any.whl (60 kB)
                                                                                                              - 60.3/60.3
Requirement already satisfied: numpy>=1.22.5 in /usr/local/lib/python3.10/dist-packages
Collecting posthog>=2.4.0 (from chromadb)
   Downloading posthog-3.1.0-py2.py3-none-any.whl (37 kB)
Requirement already satisfied: typing-extensions>=4.5.0 in /usr/local/lib/python3.10/dis
Collecting pulsar-client>=3.1.0 (from chromadb)
   Downloading pulsar_client-3.3.0-cp310-cp310-manylinux_2_17_x86_64.manylinux2014_x86_64
Collecting onnxruntime>=1.14.1 (from chromadb)
   Downloading onnxruntime-1.16.3-cp310-cp310-manylinux_2_17_x86_64.manylinux2014_x86_64
Collecting opentelemetry-api>=1.2.0 (from chromadb)
   Downloading opentelemetry_api-1.22.0-py3-none-any.whl (57 kB)
                                                                                                             — 57.9/57.9
Collecting opentelemetry-exporter-otlp-proto-grpc>=1.2.0 (from chromadb)
   Downloading opentelemetry_exporter_otlp_proto_grpc-1.22.0-py3-none-any.whl (18 kB)
Collecting opentelemetry-instrumentation-fastapi>=0.41b0 (from chromadb)
   Downloading opentelemetry_instrumentation_fastapi-0.43b0-py3-none-any.whl (11 kB)
Collecting opentelemetry-sdk>=1.2.0 (from chromadb)
   Downloading opentelemetry_sdk-1.22.0-py3-none-any.whl (105 kB)
                                                                                                              - 105.6/105
Requirement already satisfied: tokenizers>=0.13.2 in /usr/local/lib/python3.10/dist-pack
Collecting pypika>=0.48.9 (from chromadb)
   Downloading PyPika-0.48.9.tar.gz (67 kB)
                                                                                                             — 67.3/67.3
   Installing build dependencies ... done
   Getting requirements to build wheel ... done
   Preparing metadata (pyproject.toml) \dots done
Requirement already satisfied: tqdm>=4.65.0 in /usr/local/lib/python3.10/dist-packages (
Collecting overrides>=7.3.1 (from chromadb)
  Downloading overrides-7.4.0-py3-none-any.whl (17 kB)
Requirement already satisfied: importlib-resources in /usr/local/lib/python3.10/dist-pac
Requirement already satisfied: grpcio>=1.58.0 in /usr/local/lib/python3.10/dist-packages
Collecting bcrypt>=4.0.1 (from chromadb)
   Downloading bcrypt-4.1.2-cp39-abi3-manylinux_2_28_x86_64.whl (698 kB)
                                                                                                              - 698.9/698
Requirement already satisfied: typer>=0.9.0 in /usr/local/lib/python3.10/dist-packages (
Collecting kubernetes>=28.1.0 (from chromadb)
   Downloading kubernetes-28.1.0-py2.py3-none-any.whl (1.6 MB)
Requirement already satisfied: tenacity>=8.2.3 in /usr/local/lib/python3.10/dist-package
Requirement already satisfied: PyYAML>=6.0.0 in /usr/local/lib/python3.10/dist-packages
Collecting mmh3>=4.0.1 (from chromadb)
   Downloading mmh3-4.0.1-cp310-cp310-manylinux_2_5_x86_64.manylinux1_x86_64.manylinux_2
                                                                                                              - 72.6/72.E
Collecting starlette<0.33.0,>=0.29.0 (from fastapi>=0.95.2->chromadb)
   Downloading starlette-0.32.0.post1-py3-none-any.whl (70 kB)
Requirement already satisfied: certifi>=14.05.14 in /usr/local/lib/python3.10/dist-packa
Requirement already satisfied: six>=1.9.0 in /usr/local/lib/python3.10/dist-packages (fr
Requirement already satisfied: python-dateutil>=2.5.3 in /usr/local/lib/python3.10/dist-
Requirement already satisfied: google-auth>=1.0.1 in /usr/local/lib/python3.10/dist-pack
Requirement already satisfied: websocket-client!=0.40.0,!=0.41.*,!=0.42.*,>=0.32.0 in /ι
Requirement already satisfied: requests-oauthlib in /usr/local/lib/python3.10/dist-pack@
Requirement already satisfied: oauthlib>=3.2.2 in /usr/local/lib/python3.10/dist-package
Collecting urllib3<2.0,>=1.24.2 (from kubernetes>=28.1.0->chromadb)
   Downloading urllib3-1.26.18-py2.py3-none-any.whl (143 kB)
                                                                                                             -143.8/143
Collecting coloredlogs (from onnxruntime>=1.14.1->chromadb)
   Downloading coloredlogs-15.0.1-py2.py3-none-any.whl (46 kB)
Requirement already satisfied: flatbuffers in /usr/local/lib/python3.10/dist-packages (1
Requirement already satisfied: packaging in /usr/local/lib/python3.10/dist-packages (fro
Requirement already satisfied: protobuf in /usr/local/lib/python3.10/dist-packages (from
Requirement already satisfied: sympy in /usr/local/lib/python3.10/dist-packages (from or
Collecting deprecated>=1.2.6 (from opentelemetry-api>=1.2.0->chromadb)
   Downloading Deprecated-1.2.14-py2.py3-none-any.whl (9.6 kB)
Collecting importlib-metadata<7.0,>=6.0 (from opentelemetry-api>=1.2.0->chromadb)
  Downloading importlib_metadata-6.11.0-py3-none-any.whl (23 kB)
Collecting backoff<3.0.0,>=1.10.0 (from opentelemetry-exporter-otlp-proto-grpc>=1.2.0->c
   Downloading backoff-2.2.1-py3-none-any.whl (15 kB)
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Requirement already satisfied: googleapis-common-protos~=1.52 in /usr/local/lib/python3
pip install tiktoken
    Collecting tiktoken
      Downloading tiktoken-0.5.2-cp310-cp310-manylinux_2_17_x86_64.manylinux2014_x86_64.whl (2.0 MB)
                                                                                  2.0/2.0 MB 9.3 MB/s eta 0:00:00
     Requirement already satisfied: regex>=2022.1.18 in /usr/local/lib/python3.10/dist-packages (from tiktoken) (2023.6.3)
     Requirement already satisfied: requests>=2.26.0 in /usr/local/lib/python3.10/dist-packages (from tiktoken) (2.31.0)
     Requirement already satisfied: charset-normalizer<4,>=2 in /usr/local/lib/python3.10/dist-packages (from requests>=2.26.0->tiktoken) (3.
    Requirement already satisfied: idna<4,>=2.5 in /usr/local/lib/python3.10/dist-packages (from requests>=2.26.0->tiktoken) (3.6)
     Requirement already satisfied: urllib3<3,>=1.21.1 in /usr/local/lib/python3.10/dist-packages (from requests>=2.26.0->tiktoken) (1.26.18)
     Requirement already satisfied: certifi>=2017.4.17 in /usr/local/lib/python3.10/dist-packages (from requests>=2.26.0->tiktoken) (2023.11.
    Installing collected packages: tiktoken
    ERROR: pip's dependency resolver does not currently take into account all the packages that are installed. This behaviour is the source
     llmx 0.0.15a0 requires cohere, which is not installed.
    Successfully installed tiktoken-0.5.2
     Collecting monotonic>=1.5 (from posthog>=2.4.0->chromadb)
index = VectorstoreIndexCreator().from_loaders([loader])
    RateLimitError
                                              Traceback (most recent call last)
     <ipython-input-17-6f7e49edde66> in <cell line: 1>()
     ---> 1 index = VectorstoreIndexCreator().from_loaders([loader])
                                    - 💲 15 frames
     /usr/local/lib/python3.10/dist-packages/openai/_base_client.py in _request(self,
    cast_to, options, remaining_retries, stream, stream_cls)
        928
                            err.response.read()
        929
     --> 930
                        raise self._make_status_error_from_response(err.response) from None
        931
        932
                    return self._process_response(
    RateLimitError: Error code: 429 - {'error': {'message': 'Rate limit reached for text-
     embedding-ada-002 in organization org-zHl0kciMK3SH4TYpeUOQmfsT on tokens per min (TPM):
    Limit 150000, Used 115426, Requested 146142. Please try again in 44.627s. Visit
    https://platform.openai.com/account/rate-limits to learn more. You can increase your
    rate limit by adding a payment method to your account at
    https://platform.openai.com/account/billing.', 'type': 'tokens', 'param': None, 'code':
     'rqte limit exceeded!}}
                         \verb|ingest('/content/drive/MyDrive/proyecto_python/handbook_of_conflict_resolution.txt'|)|
    TypeError
                                              Traceback (most recent call last)
     <ipython-input-36-d8216b08c710> in <cell line: 1>()
    ingest('/content/drive/MyDrive/proyecto_python/handbook_of_conflict_resolution.txt')
    TypeError: ingest() missing 1 required positional argument: 'file_path'
      BUSCAR EN STACK OVERFLOW
      Stoned in directory: /neat/ cache/nin/wheals/a1/16/E1/dahffhadafdeaacecacdadagaacfaca:
i = 0
lines per file = 300
smallfile = None
with open('/content/drive/MyDrive/proyecto_python/handbook_of_conflict_resolution.txt') as bigfile:
    for lineno, line in enumerate(bigfile):
       if lineno % lines_per_file == 0:
           if smallfile:
               smallfile.close()
           small_filename = 'small_file_{}.txt'.format(lineno + lines_per_file)
           smallfile = open(small_filename, "w")
           i = i + 1
       smallfile.write(line)
       if i > 40:
                       print (small_filename) #
                      # with open(small filename) as f:
                       # d = f.read()
                        # print (d)
    if smallfile:
       smallfile.close()
    Se han truncado las últimas 5000 líneas del flujo de salida.
     small file 33600.txt
     small_file_33600.txt
```

small_file_33600.txt

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with open("small_file_1500.txt") as f:
                        d = f.read()
                        print (d)
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    PART ONE
    INTERPERSONAL AND
    INTERGROUP PROCESSES
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    c01.qxd 8/1/06 11:52 AM Page 23
    CHAPTER ONE
    Cooperation and Competition
    Morton Deutsch
    ome time ago, in the garden of a friend's house, my five-year-old son and
    his chum were struggling over possession of a water hose. (They were in
    conflict.) Each wanted to use it first to water the garden. (They had a competitive orientation.) Each was trying to tug it away from
     were crying. Each was very frustrated, and neither was able to use the hose to
    sprinkle the flowers as he had desired. After reaching a deadlock in this tug-ofwar, they began to punch one another and call each other.
loader = TextLoader('small_file_1500.txt')
index = VectorstoreIndexCreator().from_loaders([loader])
print (index.query("what is the THEORY OF COOPERATION AND COMPETITION"))
     The theory of cooperation and competition is a theory developed by Morton Deutsch and elaborated by David W. Johnson. It has two main i
import time
# primero 300
# ultimo 38700
for i in range(300, 38701, 300):
 nom_archivo = 'small_file_' + str(i) + '.txt'
 print (nom_archivo)
 loader = TextLoader(nom_archivo)
 index = VectorstoreIndexCreator().from_loaders([loader])
 time.sleep(30)
 print(i)
     small_file_300.txt
    small_file_600.txt
    600
     small_file_900.txt
    900
     small_file_1200.txt
    small file 1500.txt
    1500
     small_file_1800.txt
    small_file_2100.txt
    2100
     small_file_2400.txt
    small_file_2700.txt
    2700
     small_file_3000.txt
    3000
     small_file_3300.txt
    small_file_3600.txt
```

```
3600
     small_file_3900.txt
    3900
    small_file_4200.txt
    4200
    small_file_4500.txt
    4500
    small_file_4800.txt
    4800
    small_file_5100.txt
    5100
    small_file_5400.txt
    small_file_5700.txt
    5700
     small_file_6000.txt
    6000
    small_file_6300.txt
    6300
    small_file_6600.txt
    6600
    small_file_6900.txt
    small_file_7200.txt
    7200
    small_file_7500.txt
    small_file_7800.txt
    7800
     small_file_8100.txt
    8100
    small_file_8400.txt
    8400
    small_file_8700.txt
    8700
print (index.query("who is ellen raider"))
     I don't know.
index = VectorstoreIndexCreator().from_loaders([loader])
     <langchain_community.document_loaders.text.TextLoader object at 0x7eda2e410df0>
print (index.query("who is ellen raider"))
     Ellen Raider is a teacher and advocate for fundamental change in an urban public education system. She has taught negotiation and media
    4
```