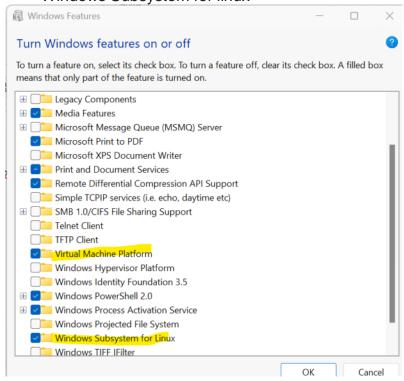
Start WSL features

Thursday, December 14, 2023 11:24 PM

Turn on window feature:

- · Virtual Machine Platform
- Windows Subsystem for linux

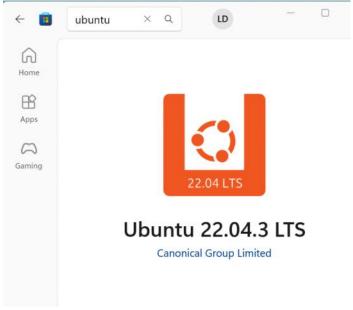


From < https://github.com/phaledang/ai-python/wiki/Start-WSL2>

Install Ubuntu from windows store

Thursday, December 14, 2023 11:25 PM

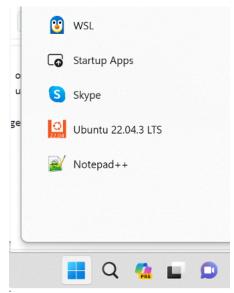
On windows store, search and install the Ubuntu



From < https://github.com/phaledang/ai-python/wiki/Add-Ubuntu>

Run wsl

Thursday, December 14, 2023



From start, click WSL or the Ubuntu name to open the ubuntu

Run below script on Ubuntu

sudo apt-get update sudo apt-get install apt-transport-https ca-certificates curl gnupg Isb-release curl -fsSL https://download.docker.com/linux/ubuntu/gpg | sudo gpg --dearmor -o /usr/share/keyrings/docker-archive-keyring.gpg echo "deb [arch=amd64 signed-by=/usr/share/keyrings/docker-archive-keyring.gpg] https://download.docker.com/linux/ubuntu \$(lsb_release -cs) stable" | sudo tee /etc/apt/sources.list.d/docker.list > /dev/null sudo apt-get update sudo apt-get install docker-ce docker-ce-cli containerd.io sudo service docker start sudo groupadd docker sudo usermod -aG docker \$USER newgrp docker ` ## Check docker version:

References

docker-v

• https://jflower.co.uk/install-docker-engine-without-docker-desktop-on-windows/

Start docker on the ubuntu when computer is started

Thursday, December 14, 2023 11:44 PM

Run below command on the ubuntu sudo service docker start

From < https://github.com/phaledang/ai-python/wiki/Start-Docker-on-start-up>

Install miniconda

Thursday, December 14, 2023

11:23 PM

Open code

Thursday, December 14, 2023 10:59 PM

```
:~$ cd BonBon_Assignment
:~/BonBon_Assignment$ code .
```

```
ledang@DESKTOP-N6LJET1:~$ cd BonBon_Assignment
ledang@DESKTOP-N6LJET1:~/BonBon_Assignment$ code .
```

Create conda Enviroment

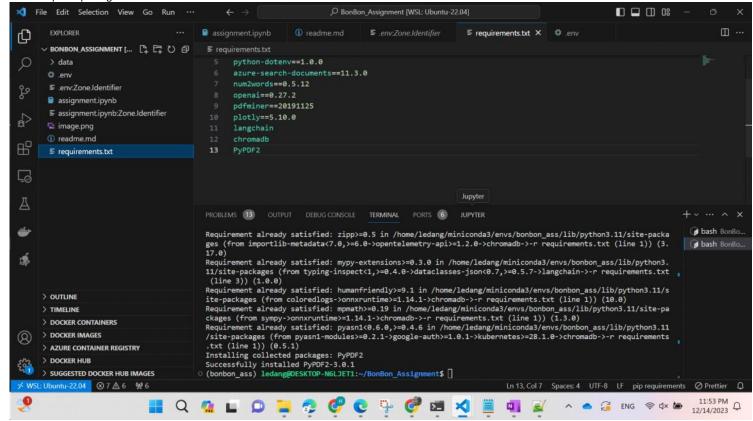
Friday, December 15, 2023 9:12 PM

Requirement.txt

Friday, December 15, 2023 9:15 PM

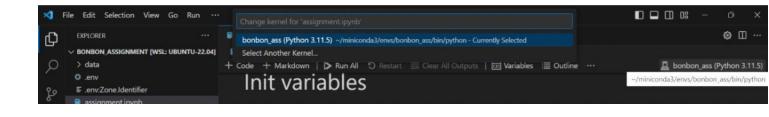
chromadb
openai
langchain
langchainhub
python-dotenv==1.0.0
azure-search-documents==11.3.0
num2words==0.5.12
openai==0.27.2
pdfminer==20191125
plotly==5.10.0
langchain
chromadb
PyPDF2
tiktoken
pandas

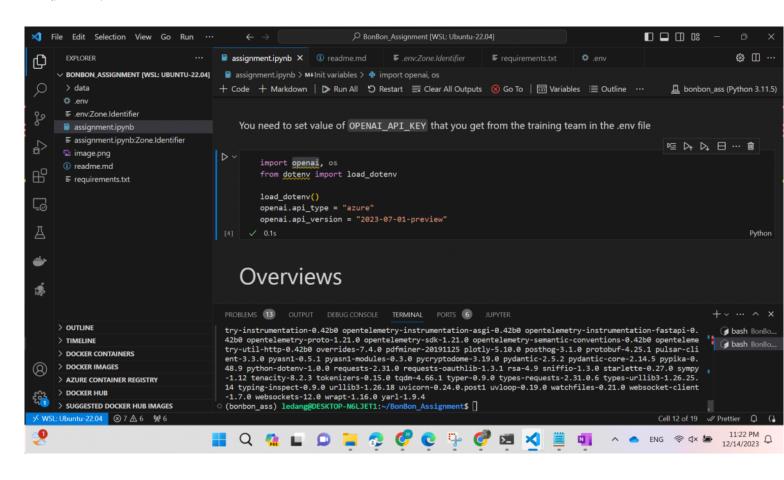
Install required package



Select the kernel

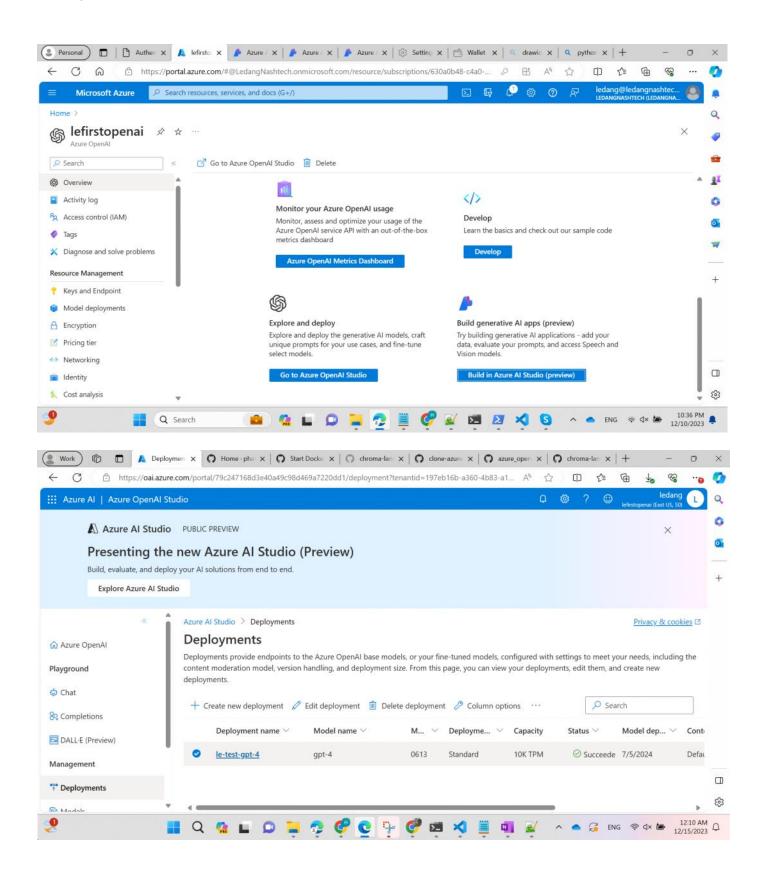
Thursday, December 14, 2023 10:48 PN

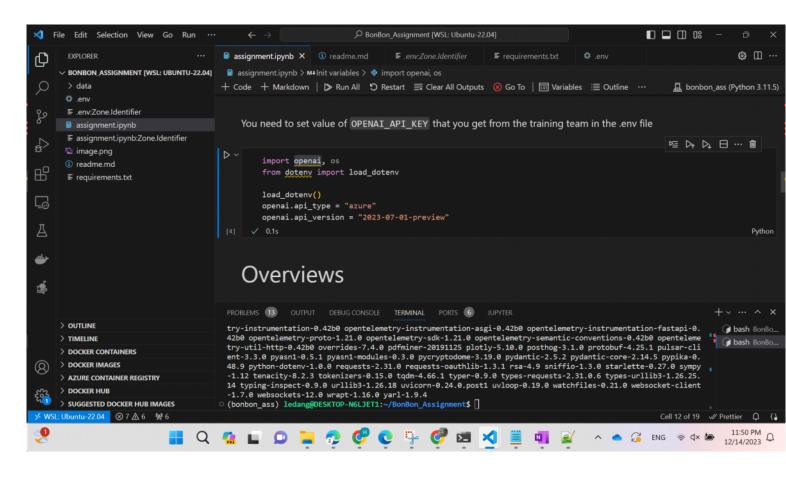


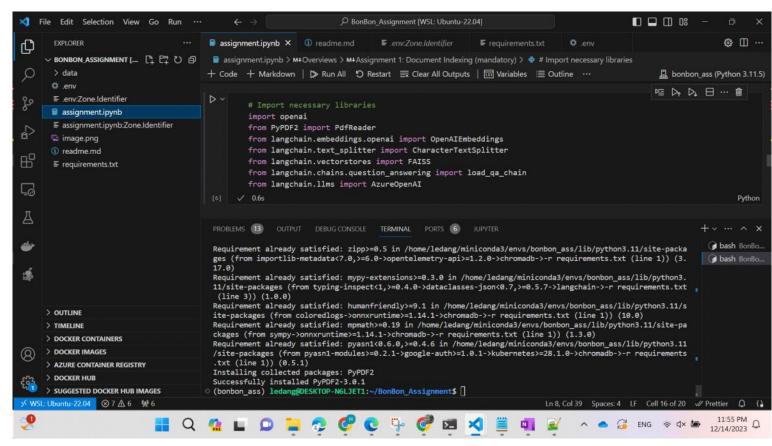


Copy config from Azure OpenAl resource to .env file

Saturday, December 2, 2023 3:38 PM

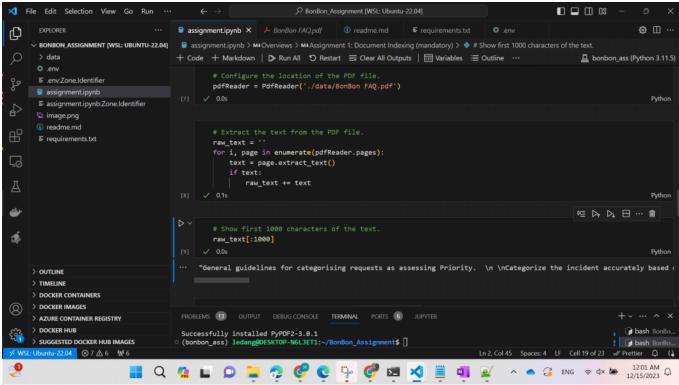






Step 3

Thursday, December 14, 2023 11:55 PM

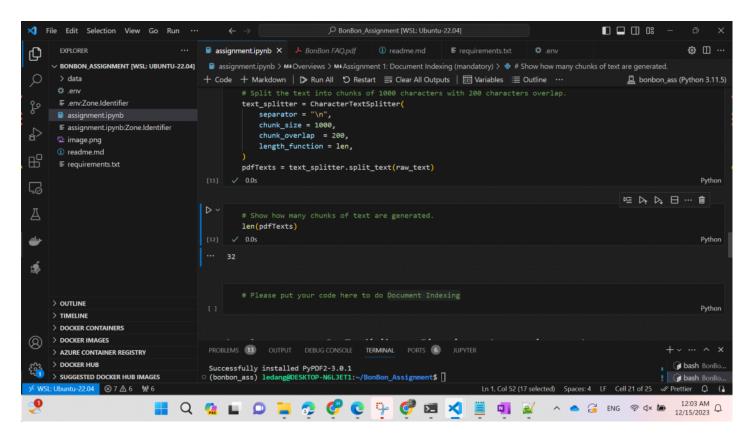


Reference:

https://github.com/easonlai/azure openai langchain sample/blob/main/chat with pdf.ipynb

Step 4

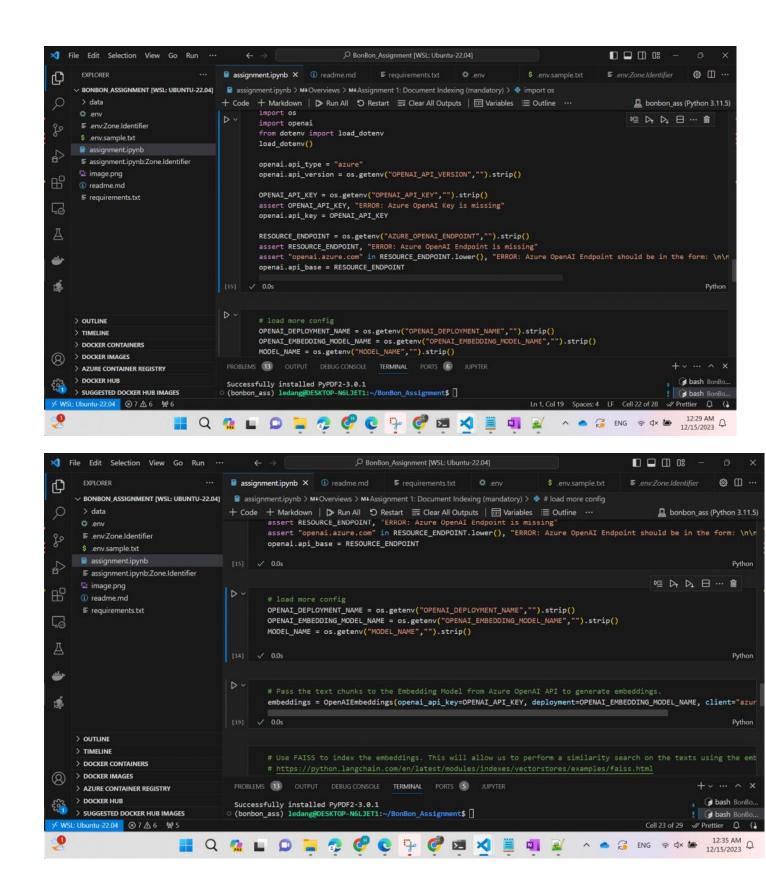
Friday, December 15, 2023 12:02 AM



Reference: https://github.com/phaledang/clone-azure-openai-samples/blob/main/quick_start/02
OpenAl getting started.ipynb

Step 5: Load config, init embeding

Friday, December 15, 2023 12:27 AM

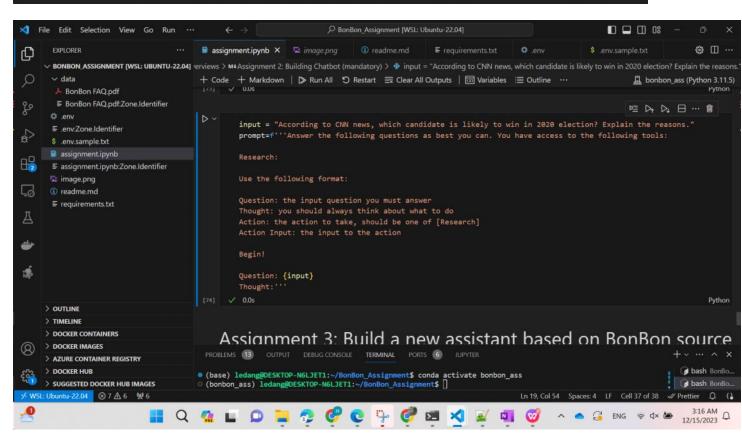


Chat

Friday, December 15, 2023

```
🛨 Code 🕂 Markdown | ⊳ Run All 吃 Restart 🚍 Clear All Outputs ⊗ Go To | ज Variables 🗏 Outline … 👢 bonbon_ass (Python 3.11.5)
        import openai
        import os
        from dotenv import load_dotenv
        load_dotenv()
        openai.api_type = "azure"
        openai.api_version = os.getenv("OPENAI_API_VERSION")
        API_KEY = os.getenv("OPENAI_API_KEY", "").strip()
        assert API_KEY, "ERROR: Azure OpenAI Key is missing"
        openai.api_key = API_KEY
        RESOURCE_ENDPOINT = os.getenv("OPENAI_API_BASE","").strip()
        assert RESOURCE_ENDPOINT, "ERROR: Azure OpenAI Endpoint is missing"
        assert "openai.azure.com" in RESOURCE_ENDPOINT.lower(), "ERROR: Azure OpenAI Endpoint should be in the form: \
        openai.api_base = RESOURCE_ENDPOINT
        CHAT_COMPLETIONS_MODEL = os.getenv('DEPLOYMENT_NAME')
                                                                                                                  Python
```

Start with a natural question input = "According to CNN news, which candidate is likely to win in 2020 election? Explain the reasons." v 0.0s Python



Issues:

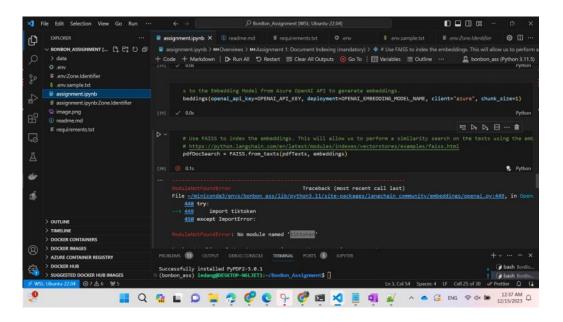
Command 'python' not found Edit file .bashrc to add alias python='python3'

Run command

sudo apt-get install python-is-python3

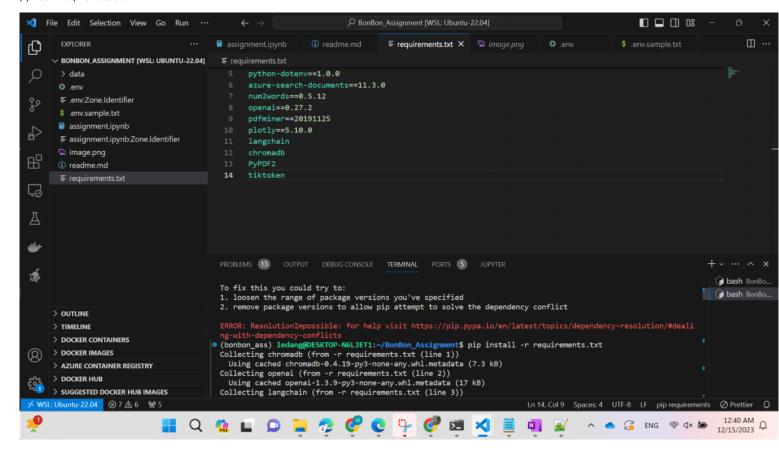
Fix Issue no tiktoken

Friday, December 15, 2023 12:35 AM



Update requirement.txt and run

pip install -r requirements.txt



References

Friday, December 15, 2023 12:15 AM

https://github.com/phaledang/clone-azure-openai-samples/blob/main/quick_start/02 OpenAl_getting_started.ipynb

https://python.langchain.com/docs/integrations/vectorstores/faiss

https://www.reddit.com/r/LangChain/comments/146y8bd/debugging_faissfrom_textsdocs_embedding_s/

https://github.com/phaledang/ai-python/wiki

Git sample

https://github.com/easonlai/azure_openai_langchain_sample/blob/main/README.md https://github.com/Azure/azure-openai-samples/blob/main/quick_start/08 _prompt_engineering.ipynb https://github.com/hwchase17/chroma-langchain