

1. Imports:

```
import openai
import PyPDF2
import slack_sdk
from slack_sdk.errors import SlackApiError
```

2. Configuration:

```
OPENAI_API_KEY = "OPENAI_API_KEY"
SLACK_BOT_TOKEN = "SLACK_BOT_TOKEN "
SLACK_CHANNEL_ID = "SLACK_CHANNEL_ID"
```

3. PDF Handling:

```
def extract_text_from_pdf(pdf_path):
    with open(pdf_path, 'rb') as pdf_file:
        pdf_reader = PyPDF2.PdfReader(pdf_file)
        text = ""
        for page in pdf_reader.pages:
            text += page.extract_text()
    return text
```

4. Question Answering:

```
def answer_questions(questions, pdf_text):
    openai.api_key = OPENAI_API_KEY
    model_engine = "gpt-4o-mini" # Adjust as needed
    answers = []
    for question in questions:
        prompt = f"Answer the question based on the provided text:\n\
nText:\n{pdf_text}\n\nQuestion:\n{question}"
        response = openai.Completion.create(
            engine=model_engine,
            prompt=prompt,
            max_tokens=1024,
            n=1,
            stop=None,
            temperature=0.5
        )
        answer = response.choices[0].text.strip()
```

```
    answers.append({"question": question, "answer": answer})
    return answers
```

5. Slack Posting:

```
def post_to_slack(answers):
    client = slack_sdk.WebClient(token=SLACK_BOT_TOKEN)
    try:
        response = client.chat_postMessage(
            channel=SLACK_CHANNEL_ID,
            text=f"**Answers:**\n{answers}"
        )
        print(response)
    except SlackApiError as e:
        print(f"Error: {e.response['error']}")
```

6. Main Function:

```
def main():
    pdf_path = "handbook.pdf"
    questions = [
        "What is the name of the company?",
        "Who is the CEO of the company?",
        "What is their vacation policy?",
        "What is the termination policy?"
    ]

    pdf_text = extract_text_from_pdf(pdf_path)
    answers = answer_questions(questions, pdf_text)
    post_to_slack(answers)
```

7. Execution:

```
if __name__ == "__main__":
    main()
```

```
-----
-----
APIRemovedInV1                                Traceback (most recent call
last)
Input In [54], in <cell line: 1>()
      1 if __name__ == "__main__":
----> 2     main()
```

```

Input In [53], in main()
      3 questions = [
      4     "What is the name of the company?",
      5     "Who is the CEO of the company?",
      6     "What is their vacation policy?",
      7     "What is the termination policy?"
      8 ]
     10 pdf_text = extract_text_from_pdf(pdf_path)
--> 11 answers = answer_questions(questions, pdf_text)
     12 post_to_slack(answers)

```

```

Input In [51], in answer_questions(questions, pdf_text)
      5 for question in questions:
      6     prompt = f"Answer the question based on the provided
text:\n\nText:\n{pdf_text}\n\nQuestion:\n{question}"
----> 7     response = openai.Completion.create(
      8         engine=model_engine,
      9         prompt=prompt,
     10         max_tokens=1024,
     11         n=1,
     12         stop=None,
     13         temperature=0.5
     14     )
     15     answer = response.choices[0].text.strip()
     16     answers.append({"question": question, "answer": answer})

```

```

File ~\anaconda3\lib\site-packages\openai\lib\_old_api.py:39, in
APIRemovedInV1Proxy.__call__(self, *_args, **_kwargs)
     38 def __call__(self, *_args: Any, **_kwargs: Any) -> Any:
--> 39     raise APIRemovedInV1(symbol=self._symbol)

```

APIRemovedInV1:

You tried to access `openai.Completion`, but this is no longer supported in `openai>=1.0.0` - see the README at <https://github.com/openai/openai-python> for the API.

You can run ``openai migrate`` to automatically upgrade your codebase to use the 1.0.0 interface.

Alternatively, you can pin your installation to the old version, e.g. ``pip install openai==0.28``

A detailed migration guide is available here:
<https://github.com/openai/openai-python/discussions/742>

`!pip install openai==0.28`

Collecting openai==0.28

Using cached openai-0.28.0-py3-none-any.whl.metadata (13 kB)
Requirement already satisfied: requests>=2.20 in c:\users\amitk\anaconda3\lib\site-packages (from openai==0.28) (2.32.3)
Requirement already satisfied: tqdm in c:\users\amitk\anaconda3\lib\site-packages (from openai==0.28) (4.64.0)
Requirement already satisfied: aiohttp in c:\users\amitk\anaconda3\lib\site-packages (from openai==0.28) (3.8.1)
Requirement already satisfied: charset-normalizer<4,>=2 in c:\users\amitk\anaconda3\lib\site-packages (from requests>=2.20->openai==0.28) (2.0.4)

Requirement already satisfied: idna<4,>=2.5 in c:\users\amitk\anaconda3\lib\site-packages (from requests>=2.20->openai==0.28) (3.3)
Requirement already satisfied: urllib3<3,>=1.21.1 in c:\users\amitk\anaconda3\lib\site-packages (from requests>=2.20->openai==0.28) (2.2.2)

Requirement already satisfied: certifi>=2017.4.17 in c:\users\amitk\anaconda3\lib\site-packages (from requests>=2.20->openai==0.28) (2021.10.8)

Requirement already satisfied: attrs>=17.3.0 in c:\users\amitk\anaconda3\lib\site-packages (from aiohttp->openai==0.28) (21.4.0)
Requirement already satisfied: multidict<7.0,>=4.5 in c:\users\amitk\anaconda3\lib\site-packages (from aiohttp->openai==0.28) (5.1.0)
Requirement already satisfied: async-timeout<5.0,>=4.0.0a3 in c:\users\amitk\anaconda3\lib\site-packages (from aiohttp->openai==0.28) (4.0.1)

Requirement already satisfied: yarl<2.0,>=1.0 in c:\users\amitk\anaconda3\lib\site-packages (from aiohttp->openai==0.28) (1.6.3)
Requirement already satisfied: frozenlist>=1.1.1 in c:\users\amitk\anaconda3\lib\site-packages (from aiohttp->openai==0.28) (1.2.0)
Requirement already satisfied: aiosignal>=1.1.2 in c:\users\amitk\anaconda3\lib\site-packages (from aiohttp->openai==0.28) (1.2.0)
Requirement already satisfied: colorama in c:\users\amitk\anaconda3\lib\site-packages (from tqdm->openai==0.28) (0.4.6)

Requirement already satisfied: typing-extensions>=3.6.5 in c:\users\amitk\anaconda3\lib\site-packages (from async-timeout<5.0,>=4.0.0a3->aiohttp->openai==0.28) (4.12.2)

Using cached openai-0.28.0-py3-none-any.whl (76 kB)

Installing collected packages: openai

Attempting uninstall: openai

Found existing installation: openai 1.44.0

Uninstalling openai-1.44.0:

Successfully uninstalled openai-1.44.0

Successfully installed openai-0.28.0

[notice] A new release of pip is available: 23.3.2 -> 24.2

[notice] To update, run: python.exe -m pip install --upgrade pip

!pip install --upgrade openai

Requirement already satisfied: openai in c:\users\amitk\anaconda3\lib\site-packages (0.28.0)

Collecting openai

Using cached openai-1.44.0-py3-none-any.whl.metadata (22 kB)

Requirement already satisfied: anyio<5,>=3.5.0 in c:\users\amitk\anaconda3\lib\site-packages (from openai) (3.5.0)

Requirement already satisfied: distro<2,>=1.7.0 in c:\users\amitk\anaconda3\lib\site-packages (from openai) (1.9.0)

Requirement already satisfied: httpx<1,>=0.23.0 in c:\users\amitk\anaconda3\lib\site-packages (from openai) (0.27.0)

Requirement already satisfied: jiter<1,>=0.4.0 in c:\users\amitk\anaconda3\lib\site-packages (from openai) (0.5.0)

Requirement already satisfied: pydantic<3,>=1.9.0 in c:\users\amitk\anaconda3\lib\site-packages (from openai) (2.8.2)

Requirement already satisfied: sniffio in c:\users\amitk\anaconda3\lib\site-packages (from openai) (1.2.0)

Requirement already satisfied: tqdm>4 in c:\users\amitk\anaconda3\lib\site-packages (from openai) (4.64.0)

Requirement already satisfied: typing-extensions<5,>=4.11 in c:\users\amitk\anaconda3\lib\site-packages (from openai) (4.12.2)

Requirement already satisfied: idna>=2.8 in c:\users\amitk\anaconda3\lib\site-packages (from anyio<5,>=3.5.0->openai) (3.3)

Requirement already satisfied: certifi in c:\users\amitk\anaconda3\lib\site-packages (from httpx<1,>=0.23.0->openai) (2021.10.8)

Requirement already satisfied: httpcore==1.* in c:\users\amitk\anaconda3\lib\site-packages (from httpx<1,>=0.23.0->openai) (1.0.5)

Requirement already satisfied: h11<0.15,>=0.13 in c:\users\amitk\anaconda3\lib\site-packages (from httpcore==1.*->httpx<1,>=0.23.0->openai) (0.14.0)

Requirement already satisfied: annotated-types>=0.4.0 in c:\users\amitk\anaconda3\lib\site-packages (from pydantic<3,>=1.9.0->openai) (0.7.0)

Requirement already satisfied: pydantic-core==2.20.1 in c:\users\amitk\anaconda3\lib\site-packages (from pydantic<3,>=1.9.0->openai) (2.20.1)

Requirement already satisfied: colorama in c:\users\amitk\anaconda3\lib\site-packages (from tqdm>4->openai) (0.4.6)

Using cached openai-1.44.0-py3-none-any.whl (367 kB)

Installing collected packages: openai

Attempting uninstall: openai

Found existing installation: openai 0.28.0

Uninstalling openai-0.28.0:

Successfully uninstalled openai-0.28.0

Successfully installed openai-1.44.0

[notice] A new release of pip is available: 23.3.2 -> 24.2

[notice] To update, run: python.exe -m pip install --upgrade pip