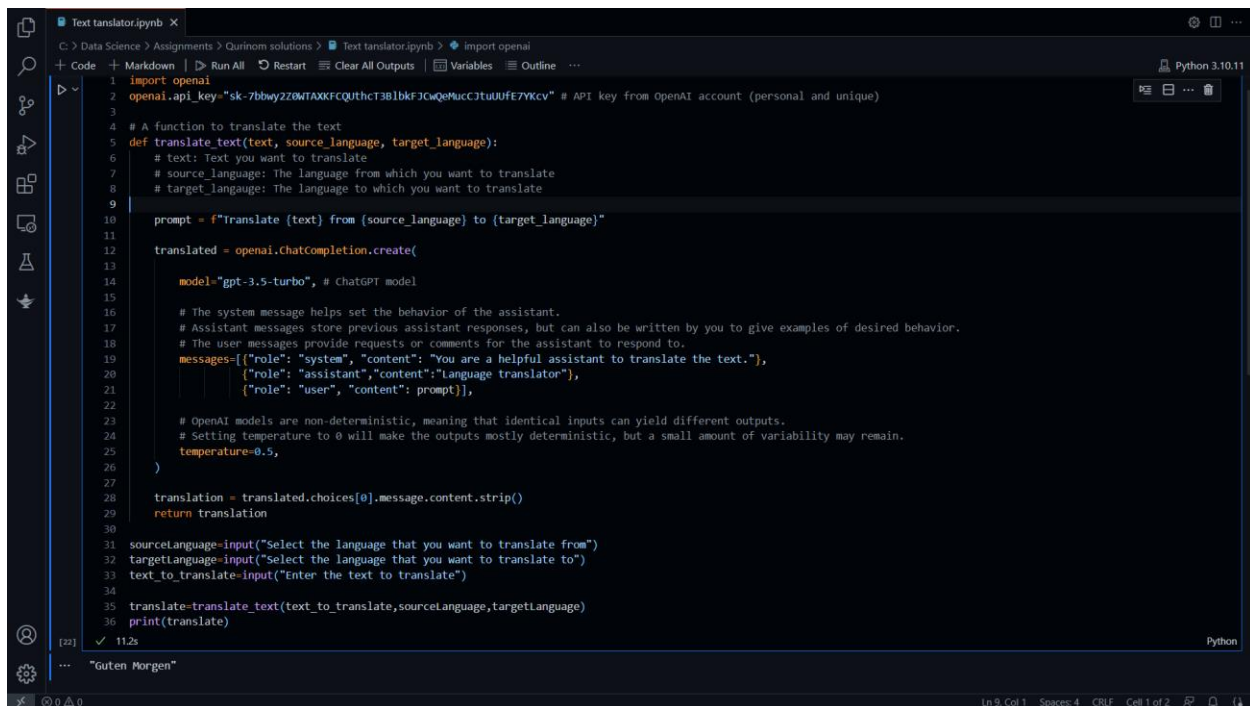


Translating Text Using OpenAI's API

(GPT-3.5 Turbo Model)

With the incredible advancements in natural language processing, OpenAI's GPT-3.5 Turbo has brought language translation to a whole new level. This powerful language model can effortlessly translate text from one language to another, making communication across languages easier than ever before. Here's a simple Python code that demonstrates how to leverage the capabilities of GPT-3.5 Turbo for language translation: [Code](#)



```
1 import openai
2 openai.api_key = "sk-7bWwY2Z0tAX0FCQthcT3B1bkfJcWQmUcc3tuUUE7YKcv" # API key from OpenAI account (personal and unique)
3
4 # A function to translate the text
5 def translate_text(text, source_language, target_language):
6     # text: Text you want to translate
7     # source_language: The language from which you want to translate
8     # target_language: The language to which you want to translate
9
10    prompt = f"Translate {text} from {source_language} to {target_language}"
11
12    translated = openai.ChatCompletion.create(
13
14        model="gpt-3.5-turbo", # ChatGPT model
15
16        # The system message helps set the behavior of the assistant.
17        # Assistant messages store previous assistant responses, but can also be written by you to give examples of desired behavior.
18        # The user messages provide requests or comments for the assistant to respond to.
19        messages=[{"role": "system", "content": "You are a helpful assistant to translate the text."},
20                  {"role": "assistant", "content": "Language translator"},
21                  {"role": "user", "content": prompt}],
22
23        # OpenAI models are non-deterministic, meaning that identical inputs can yield different outputs.
24        # Setting temperature to 0 will make the outputs mostly deterministic, but a small amount of variability may remain.
25        temperature=0.5,
26    )
27
28    translation = translated.choices[0].message.content.strip()
29    return translation
30
31 sourceLanguage=input("Select the language that you want to translate from")
32 targetLanguage=input("Select the language that you want to translate to")
33 text_to_translate=input("Enter the text to translate")
34
35 translate=translate_text(text_to_translate,sourceLanguage,targetLanguage)
36 print(translate)
```

[22] ✓ 11.2s

Python

... "Guten Morgen"

The code makes use of OpenAI's API key, which is unique to each user, to access the powerful GPT-3.5 Turbo model. By providing the source language, target language, and the text to be translated, the function `translate_text()` returns the translated text, making multilingual communication seamless.

With this Python code, we can easily integrate language translation capabilities into our projects and applications, opening up a world of possibilities for global communication