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pip install openai
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import openai
import os
from googleapiclient.discovery import build
from googleapiclient.errors import HttpError

# Set up the API client
openai.api_key = "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"

# Set up the model and prompt
model_engine = "text-davinci-002"
prompt= input()

# Generate text
response = openai.Completion.create(
    engine=model_engine,
    prompt=prompt,
    max_tokens=1024,
    n=1,
    stop=None,
    temperature=0.5,
)

# Extract the generated text from the API response
generated_text = response.choices[0].text

# Split the generated text into a list of sentences
generated_list = generated_text.split(". ")

# Enter your YouTube API key
API_KEY = "AIzaSyByzDzGRFMGtjymQt1dfdq69OT2FocmB1s"

# Define the list of topics
topics = generated_list[1:]


# Define the YouTube API service
youtube = build('youtube', 'v3', developerKey=API_KEY)

from tabulate import tabulate

# Loop over each topic and list 5 videos for each topic
for topic in topics:
    try:
        # Search for videos related to the topic
        search_response = youtube.search().list(
            q=topic,
            type='video',
            part='id,snippet',
            order='rating',
            relevanceLanguage='en',
            maxResults=5
        ).execute()

        # Create a list of video titles and links
        video_info = []
        for search_result in search_response.get("items", []):
            video_title = search_result["snippet"]["title"]
            video_id = search_result["id"]["videoId"]
            video_link = f'https://www.youtube.com/watch?v={video_id}'
            video_info.append([video_title, video_link])

        # Print the table of video titles and links
        print(f"Top 5 videos for '{topic}':")
        print(tabulate(video_info, headers=["Video Title", "Video Link"], tablefmt="fancy_grid"))
        print()

    except HttpError as e:
        print(f"An HTTP error {e.resp.status} occurred:\n{e.content}")
```

Executing (24m 35s) Cell > raw_input() > _input_request() > select()