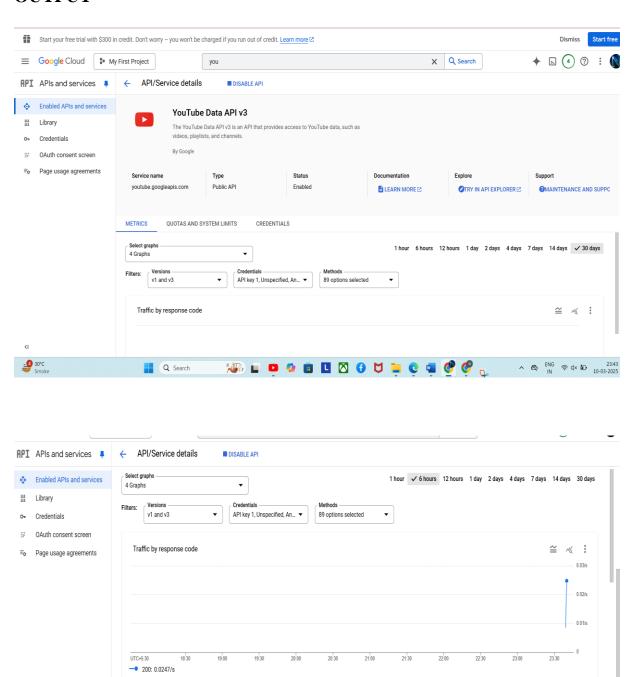


EXPERIMENT NO - 02

Program Code import requests video_id = "iX-U9HLRnuk" api_key = "AIzaSyDL2_rH_2JrGPYAN71ryuO9fG3WxXyT04" # Retrieve video information video info url = f"https://www.googleapis.com/youtube/v3/videos?part=snippet&id={video_id}&key={api_k ey}" video info response = requests.get(video info url) video info data = video info response.json() video_info_data # Retrieve video comments comments url = f"https://www.googleapis.com/youtube/v3/commentThreads?part=snippet&videoId={video_i d} &key={api_key}" comments_response= requests.get(comments_url) comments_data = comments_response.json() comments data # Extract the carnents comments = [item["snippet"]["topLevelComment"]["snippet"]["textOriginal"] for item in comments data["items"]] print(comments) from textblob import TextBlob def get comment sentiment(comment): analysis = TextBlob(comment) if analysis.sentiment.polarity > 0: return "Positive" elif analysis.sentiment.polarity == 0: return "neutral" else: return "negative" comment_list = [] sentiment_list = [] for comment in comments: sentiment = get comment sentiment(comment) comment_list.append(comment) sentiment_list.append(sentiment) print(f"{comment} : {sentiment}") import pandas as pd sentiment_df = pd.DataFrame({"Comments": comment_list,"Sentiment": sentiment_list}) sentiment_df.head() sentiment_df.to_csv("YouTube_Comments_Sentiment.csv")



OUTPUT



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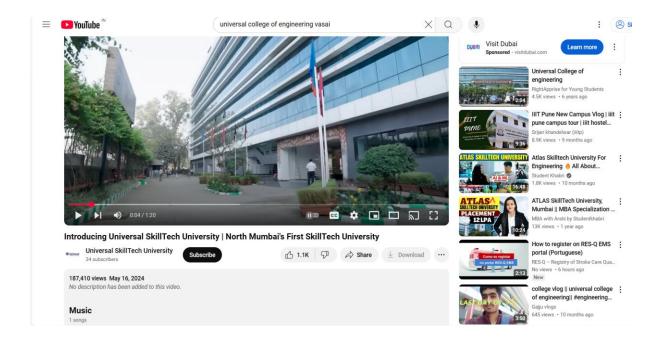
≅ ~√ :

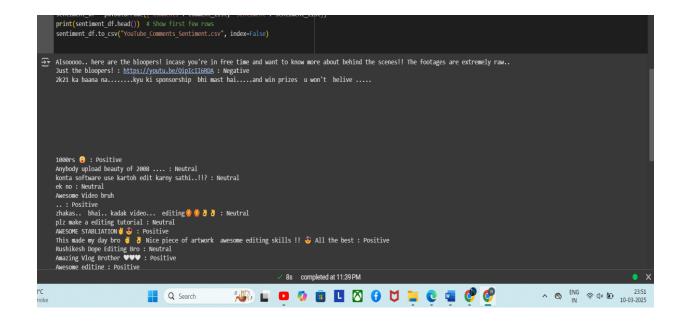
Errors by API method

Q Search

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AWESOME STABLIATION : Positive

This made my day bro Nice piece of artwork awesome editing skills !! All the best : Positive

Rushikesh Dope Editing Bro : Neutral

Amazing Vlog Brother  Positive

Awesome editing : Positive

full khatarnak... editing..!!! : Positive

luma fade  S : Neutral

Video Editing is Osum kill it  S : Neutral

best dj in the market...it was wowsome : Positive

Ek no. bhava....!!! nice edits.. : Positive

Mow! That editing plus music! Awesomeness! Akash ne mala nahi bolavla : ( : Negative

Comments Sentiment

Alsooooo.. here are the bloopers! incase you'r... Negative

Anybody upload beauty of 2008 ... Neutral

konta software use kartoh edit karny sathi..!!? Neutral

ek no Neutral
```