

```

from googleapiclient.discovery import build
import json
import requests
import time
import pandas as pd
import re
import numpy as np

# url_input = "https://www.youtube.com/watch?v=BaGgScV4NN8"
# url_input = "https://www.youtube.com/watch?v=Qr4lmwb-oQk"
input_list = [
    "https://www.youtube.com/watch?v=Qr4lmwb-oQk",
    "https://www.youtube.com/watch?v=m_LfH48sTmY",
    "https://www.youtube.com/watch?v=LBukoM3CLic",
    "https://www.youtube.com/watch?v=SY4Pl75BJPQ",
    "https://www.youtube.com/watch?v=mL00hNBxTzU"
]
id_list=[]
for url in input_list:
    video_id_split =url.split('=')
    video_id=video_id_split[1]
    # print(video_id)
    id_list.append(video_id)
print(id_list)

 ['Qr4lmwb-oQk', 'm_LfH48sTmY', 'LBukoM3CLic', 'SY4Pl75BJPQ', 'mL00hNBxTzU']

def getCount(video_id):
    api_key = 'AIzaSyDWf_scubd7aDcx_lVcdf7aGFepzwyKSKI'
    url = 'https://www.googleapis.com/youtube/v3/videos?id='+video_id+'&key='+api_key+'&part=id,statistics'
    response_info=requests.get(url).json()

    # Contains all comments (both top-level comments and replies to those comments).
    all_comments = []
    # print(response_info)
    # Get the total (sum) of comments the video has:
    for comment_count in response_info['items']:
        total = int(comment_count['statistics']['commentCount'])

    # # Show the total amount of comments for the given video:
    print("Total comments for (" + video_id + "): " + str(total))
for id in id_list:
    getCount(id)

    Total comments for (Qr4lmwb-oQk): 43
    Total comments for (m_LfH48sTmY): 97
    Total comments for (LBukoM3CLic): 1580
    Total comments for (SY4Pl75BJPQ): 1530
    Total comments for (mL00hNBxTzU): 22

def getAllTopLevelCommentReplies(topCommentId, token):

    replies_response=youtube.comments().list(part='snippet',maxResults=100,parentId=topCommentId,pageToken=token).execute()

    for indx, reply in enumerate(replies_response['items']):
        all_comments.append(reply['snippet']['textDisplay'])

    if "nextPageToken" in replies_response:
        return getAllTopLevelCommentReplies(topCommentId, replies_response['nextPageToken'])
    else:
        return []

def get_comments(youtube, video_id, token):

    global all_comments
    totalReplyCount = 0
    token_reply = None

    if (len(token.strip()) == 0):
        all_comments = []

    if (token == ''):
        video_response=youtube.commentThreads().list(part='snippet',maxResults=100,videoId=video_id,order='relevance').execute()
    else:
        video_response=youtube.commentThreads().list(part='snippet',maxResults=100,videoId=video_id,order='relevance',pageToken=tc

```

<https://colab.research.google.com/drive/1S4bz-AloUhoRprzpruay0S0J6Wr17QjQ#printMode=true>

['COMMENT WITH 18 replies: Yes level the playing field for Woman. It's time to make sure Men Can dominate Woman's sports']

Video 4 Comments:

['COMMENT WITH 0 replies: Really cool, love the vision and idea behind this. Hopefully more people get on board with thes