I from apiclient.discovery import build

import datetime
import requests



print('Channel: ', channel)

print('Description: ', description)

print('Description: ', description)

print('Number of Subscribers: ', subcount)

print('Number of Videos: ', video count)

for iten in search('itens'):

title 'siten('singpet')['channelfitle']

date published ': ten('singpet')['publishedAt']

year - int(date published[10])

hour - int(date published[10])

hour - int(date published[11])

minute = int(date published[11])

published datetime.datetime(year, month, day, hour, minute)

published of adtetime.datetime(year, month, day, hour, minute)

published of unitshed[11]

print('Number')

print('N

WHAT OUR CODE DOES:

- COLLECTS USER INPUT ABOUT WHAT IT IS THEY WANT TO SEARCH FOR
- CALLS THE API, WHICH PROVIDES INFORMATION AND STATISTICS FOR THE VIDEO OR CHANNEL THAT THE USER SEARCHED FOR
- DISPLAYS IMPORTANT INFORMATION, AS WELL AS THUMBNAILS, IN A SIMPLE AND EASY TO READ OUTPUT

H O W I T W O R K S :

• OUR PROGRAM READS DATA FROM THE YOUTUBE DATA API V3, AND DISPLAYS INFORMATION ABOUT CERTAIN VIDEOS. FROM THERE, WE DIG THROUGH THE DATA AND SELECT ONLY THE IMPORTANT PARTS, SUCH AS VIEW COUNT AND LIKE/DISLIKE RATIO FOR VIDEOS, OR SUBSCRIBER COUNT AND NUMBER OF VIDEOS FOR CHANNELS. OUR PROGRAM STREAMLINES THE DATA AND DISPLAYS THE MOST IMPORTANT ELEMENTS ALL IN ONE PLACE.

INPUTS:

- 1. CHOICE BETWEEN SEARCHING FOR A "CHANNEL" OR A "VIDEO"
- 2. NUMBER OF DESIRED RESULTS
- 3. THE USER'S SPECIFIC SEARCH QUERY

1. THUMBNAIL

- 2. TITLE AND CHANNEL
- 3. DATE POSTED
- 4. VIEW COUNT
- 5. LIKES, DISLIKES, AND RATIO

OUTPUTS FOR "VIDEO

OUTPUTS FOR "CHANNEL":

- 1. THUMBNAIL
- 2. TITLE AND DESCRPTION
- 3. DATE CREATED
- 4. SUBSCRIBER COUNT
- 5. TOTAL CHANNEL VIEWS

ORIGINAL OUTPUT:

Out[3]: {'kind': 'youtube#searchListResponse',
 'etag': '"p4VTdlkQv3HQeTEaXgvLePAydmU/rQ4cpm0Owbq1Bchzi6bhggLBJPw"',
 'nextFageToken': 'CAEQAA',
 'regionCode': 'Us',
 'pageInfo': ('totalResults': 1000000, 'resultsPerPage': 1},
 'items': ['Xind': 'youtube#searchResult',
 'etag': '"p4VTdlkQv3HQeTEaXgvLePAydmU/ARs4 Ns7526c-hQG-Emiz3Gzs-I"',
 'id': {'kind': 'youtube#vieePaydmU/ARs4 Ns7526c-hQG-Emiz3Gzs-I"',
 'id': 'YouTube Rewind 2018: Everyone Controls Rewind | #YouTubeRewind',
 'channelId': 'YouTube Rewind 2018: Everyone Controls Rewind | #YouTubeRewind',
 'description': "YouTube Rewind 2018: Everyone Controls Rewind | #YouTubeRewind',
 'description': "YouTube Rewind 2018: Celebrating the videos, people, music and momes
eRewind It wouldn't be Rewind without the creators: ...,
 'thumbnails': {'default': {'url': 'https://i.ytimg.com/vi/ybjOTdZBXlg/mqdefault.jpg',
 'width': 230,
 'height': 180),
 'height': 180),
 'height': 360),
 'height': 360),
 'height': 360),
 'height': 360),
 'channelTitle': 'YouTube',
 'liveBroadcastContent': 'none'}}]}

FINAL OUTPUT:



Video: YouTube Rewind 2018: Everyone Controls Rewind | #YouTubeRewind Channel: YouTube

Views: 192146874 Likes: 2719962 Dislikes: 17347514 Like/Dislike Ratio: 0.16

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