

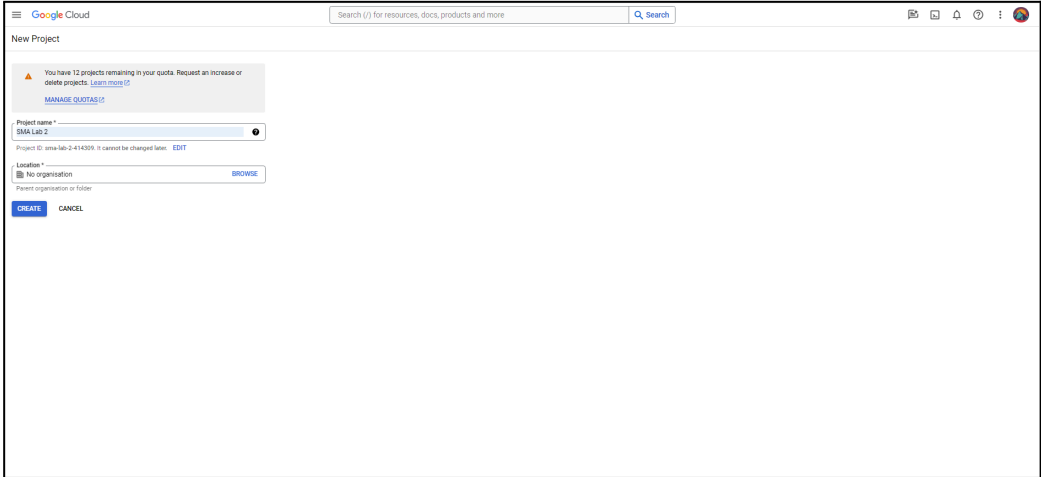
Experiment No: 2

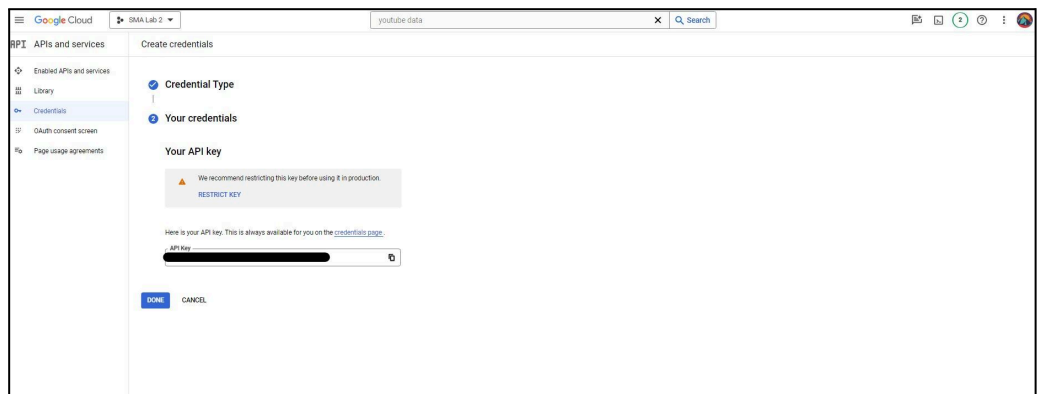
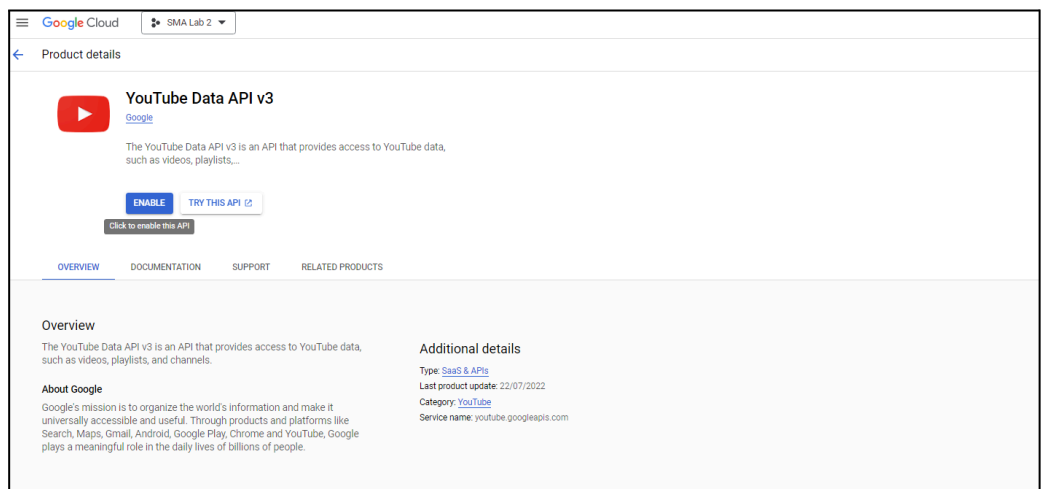
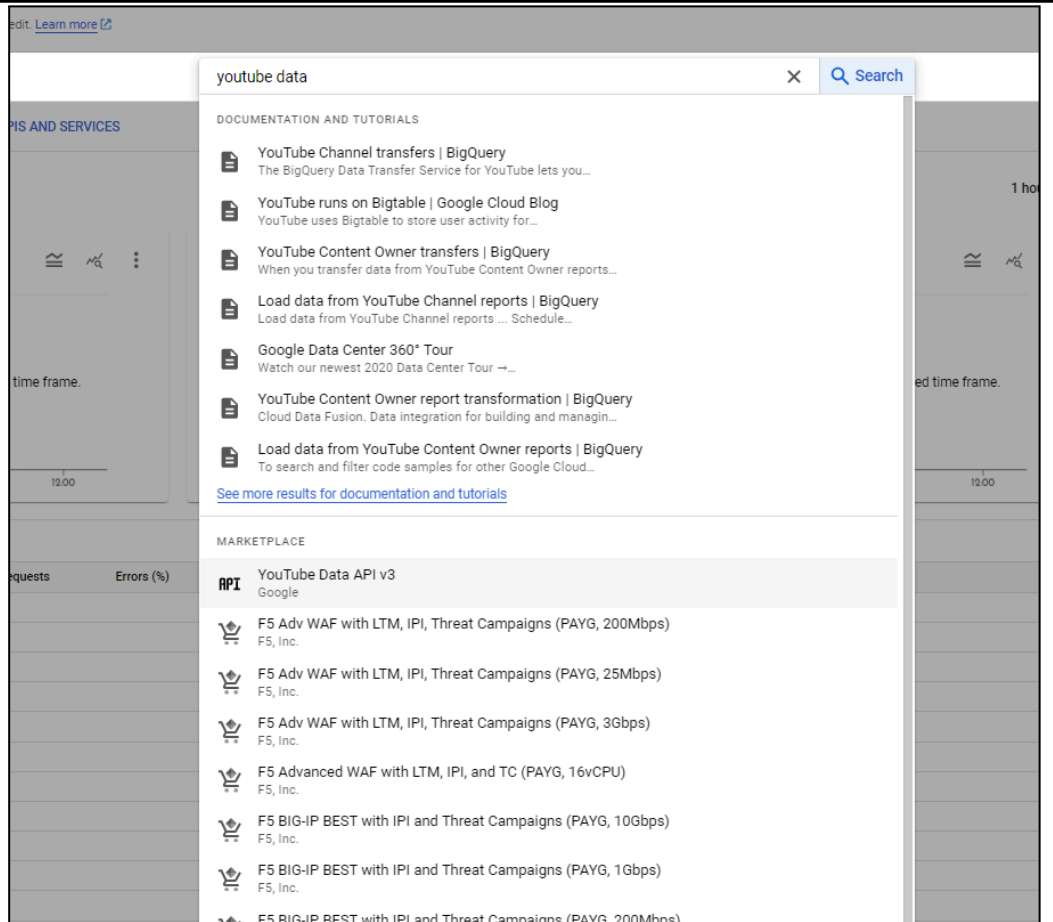
Name: Alston Fernandes

Roll No. : 19

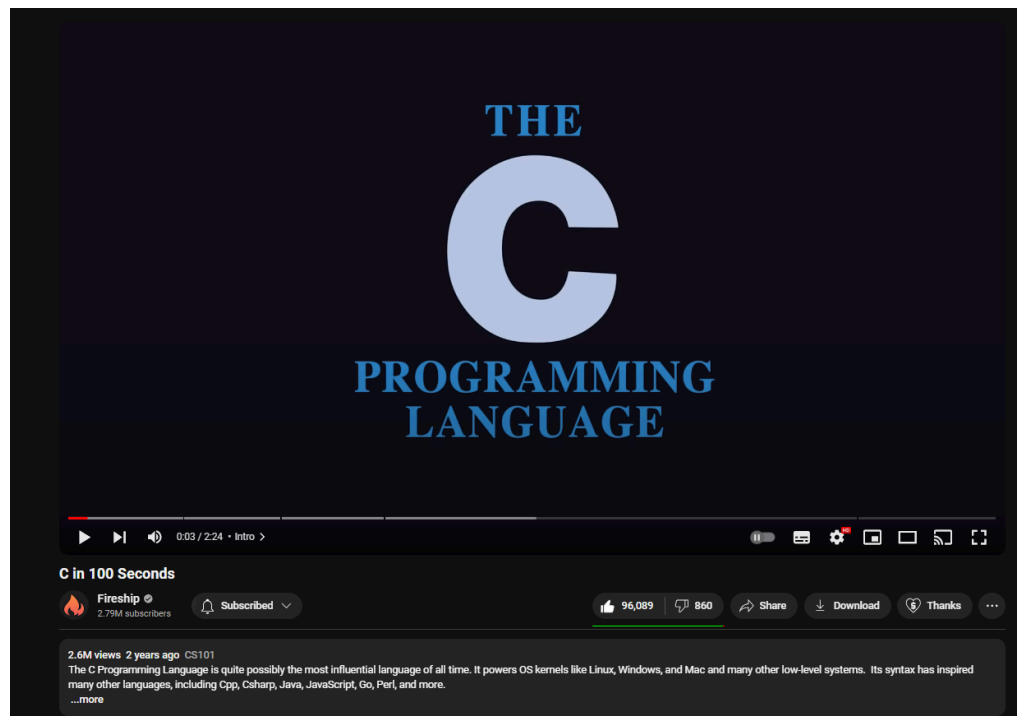
Batch: C

Performance Date :

Topic:	Data Collection-Select the social media platforms of your choice (Twitter, Facebook, LinkedIn, YouTube, Web blogs etc) ,connect to and capture social media data for business (scraping, crawling, parsing)
Prerequisite:	Knowledge of Social Media concepts, Data Collection methods
Mapping With COs:	CSDL8023.3
Objective:	- Technique to collect social media data in business
Outcome:	Students should be able to determine the type of data, the source and technique to collect social media data in business.
Instructions:	1. This experiment is a compulsory experiment. All the students are required to perform this experiment individually.
Deliverables:	<div>Creation of API Key</div> 



Reference Video -



Scraping all the youtube comments

Total – 2,629 Comments

video ID

U3aXWizDbQ4

Extract comment info using video ID

Using Code

```
import googleapiclient.discovery
import pandas as pd
import googleapiclient.errors
from google.colab import userdata

api_service_name = "youtube"
api_version = "v3"
DEVELOPER_KEY = userdata.get('DEV_KEY') # get key from
environment variable

youtube = googleapiclient.discovery.build( api_service_name,
api_version,
developerKey=DEVELOPER_KEY)

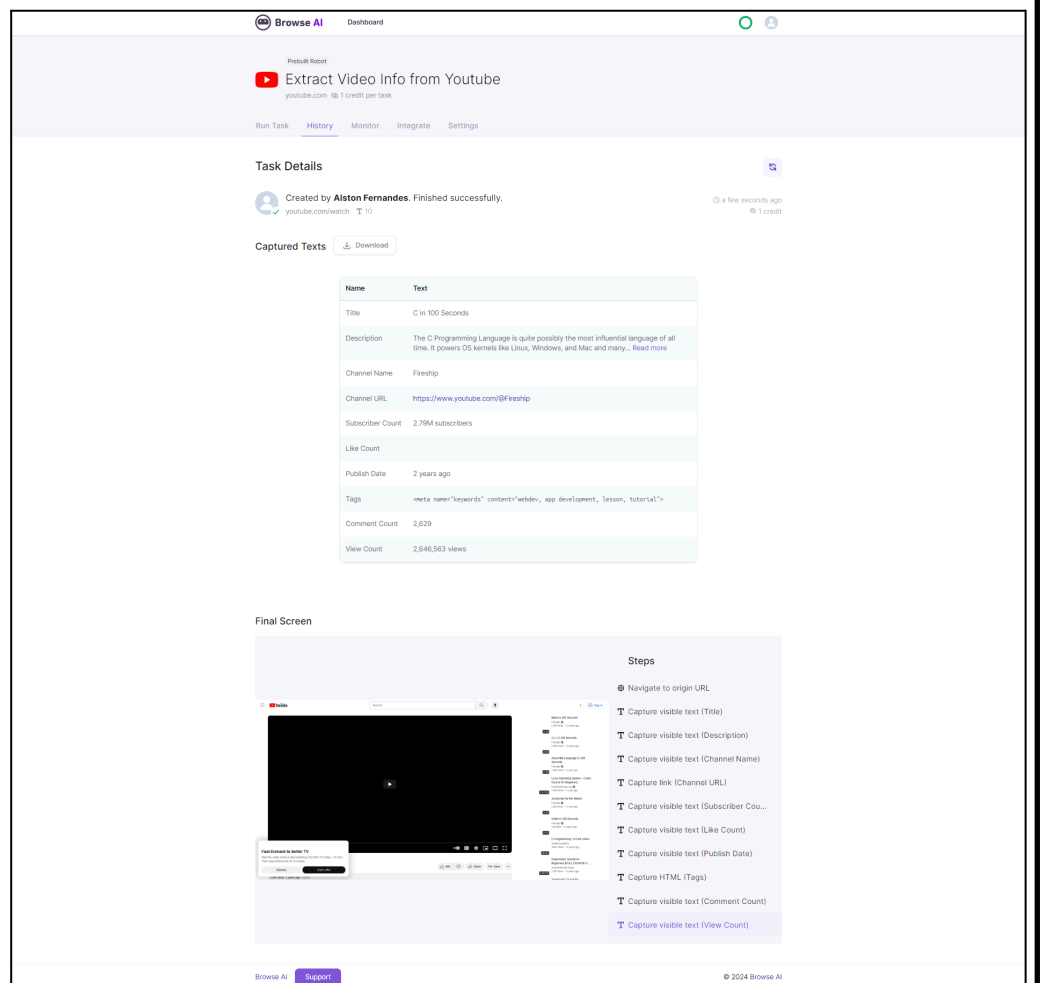
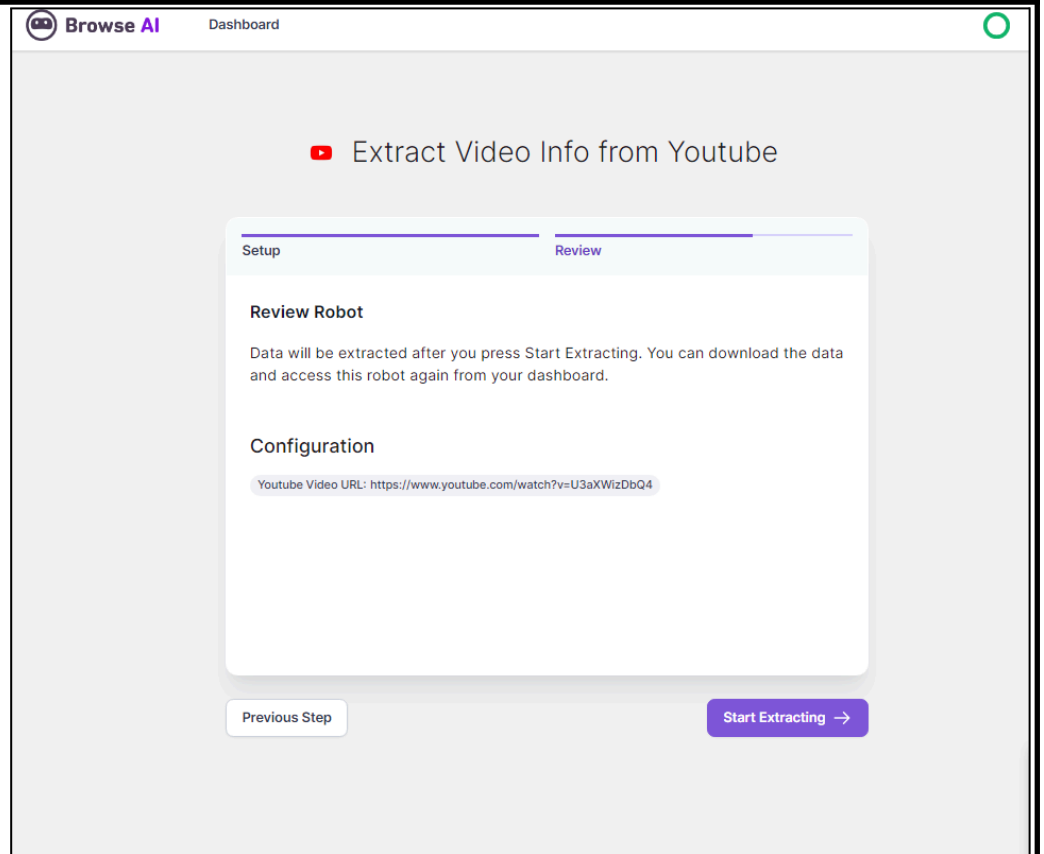
request = youtube.commentThreads().list(
    part="snippet",
    videoId="U3aXWizDbQ4",
    maxResults=100 )
```


```
comments = []
```

```
response = request.execute()
for item in response['items']:
    comment = item['snippet']['topLevelComment']['snippet']
    comments.append([
        comment['authorDisplayName'],
        comment['publishedAt'],
        comment['updatedAt'],
        comment['likeCount'],
        comment['textDisplay']
    ])
df = pd.DataFrame(comments, columns=['author', 'published_at',
    'updated_at', 'like_count', 'text'])
df.head(15)
```

	author	published_at	updated_at	like_count	text
0	@crum--business	2024-02-14T08:44:10Z	2024-02-14T08:44:10Z	1	Full form of printf
1	@adriatic123	2024-02-08T23:10:21Z	2024-02-08T23:17:19Z	0	This is really good. After all those years mod...
2	@Plasma9345	2024-02-05T19:00:22Z	2024-02-05T19:00:22Z	0	With x2 speed you learn in 1 minute
3	@snapnut	2024-02-04T05:25:32Z	2024-02-04T05:25:32Z	1	<a href="https://www.youtube.com/watch?v=U3aXW...
4	@ratanpal6760	2024-01-31T09:42:08Z	2024-01-31T09:42:08Z	0	Meanwhile the segmentation fault*
5	@gotitboom	2024-01-29T22:27:28Z	2024-01-29T22:27:28Z	0	I just started learning programming and I alre...
6	@fahid3342	2024-01-29T07:08:31Z	2024-01-29T07:08:31Z	0	I have no idea what any of this means. I liter...
7	@easygreasy3989	2024-01-27T18:37:47Z	2024-01-27T18:37:47Z	0	Holy crap. Did programing at university in jav...
8	@fayzulloevk	2024-01-25T14:34:51Z	2024-01-25T14:34:51Z	0	Cool 🍌
9	@fayzulloevk	2024-01-25T14:34:30Z	2024-01-25T14:34:30Z	0	Cool 🍌
10	@fleontrotsky	2024-01-25T06:10:23Z	2024-01-25T06:10:23Z	1	C will forever remain my favorite programming ...
11	@frenchmarty7446	2024-01-22T03:46:01Z	2024-01-22T03:46:01Z	0	<a href="https://www.youtube.com/watch?v=U3aXW...
12	@bouncypeople8749	2024-01-22T02:15:16Z	2024-01-22T02:15:16Z	2	C is the daddy of all. RIP To the legend Denni...
13	@whatcomesafterinfinity3291	2024-01-17T08:36:59Z	2024-01-17T08:36:59Z	0	<a href="UCkzsU2WH9gyImbOdV-1IUJg/KsIfY6LzFoLM...
14	@PolarDev1	2024-01-16T18:09:11Z	2024-01-16T18:09:11Z	0	Me encantó ❤️

Using 3rd party tool



 Browse AI

Dashboard

Upgrade Account

Extract Comments from a Video on YouTube

Setup

Review

Review Robot


Data will be extracted after you press Start Extracting. You can download the data and access this robot again from your dashboard.

Configuration

YouTube Video URL:

Previous Step

Start Extracting →

Created by  Alston Fernandes. Finished successfully.

youtube.com/watch

100

Comments (100)

Download

Position	User	User Channel	Content	Like Count	Published Time	Replies
1	@Beeto	https://www.youtube.com/channel/UCe3BNVaq3k8Hk_uDRJzg	My professor had a saying: "You will die but C will live."	15K	2 years ago	97 replies
2	@notgn	https://www.youtube.com/channel/UCMvOKN6EXRY_rqRMBT3yw	Love how it ends with a seg fault, describes the C experience perfectly	15K	2 years ago	84 replies
3	@codegenb12507	https://www.youtube.com/channel/UCY6HE0bMgZg4Tu2w_JY53g	"Use printf!!!!!!" And those "C" puns at the end	6.2K	2 years ago (edited)	21 replies
4	@chtrules	https://www.youtube.com/channel/UCd9-kmcz53Dp6gQ-4NkqCag	C is beautiful in its simple complexity. I started in C++ 18 years ago, but I've come to find warmth and love in the C language experience.	588	1 year ago	15 replies
5	@ecaso6984	https://www.youtube.com/channel/UCtpqVGBLc79QcN78mrOQ	C is such a simple language that you could learn the syntax in a day, learn the important parts of the standard library in less than a week, and learn how to use pointers... eventually.	11K	2 years ago	104 replies
6	@koubles	https://www.youtube.com/channel/UCN6AfgJH4Ug54M2+5-Vjw	Being a CS student, transitioning from classes where C is the only language to now building modern apps with Kotlin/Swift and other various APIs and languages. I now really appreciate the simplicity... <div>Read more</div>	462	11 months ago	6 replies
7	@encruz21	https://www.youtube.com/channel/UCUY3H8Xp4a_TRZo8BnkQOg	Everybody: use printf to print the value Jeff: Use printf!!!!	6K	2 years ago	21 replies
8	@carttonsimon6992	https://www.youtube.com/channel/UCd9HqGfyp8NkZC2hgrVG4ewk	Quick remark, gcc actually means GNU Compiler Collection and not GNU C Compiler, the name GNU C Compiler was dropped around 1999 (in April to be precise) because C was only one of gcc's frontends.	3.5K	2 years ago	14 replies
9	@orcc3847	https://www.youtube.com/channel/UCiLaADrac1fZ-UdImO00dw	Actually, as opposed to C's neighbours, one can really learn all C's syntax in 100 seconds...	3.3K	2 years ago	31 replies
10	@manuchatterjee8809	https://www.youtube.com/channel/UC0BHfY8ZQw48g5tSv50qYQ	C is challenging to master because to truly use it well, one must understand fundamentally understand how computers work. This means having some ideas about registers and ARM syntax, while not...	421	2 years ago	8 replies

Conclusion:

Students will be able to identify the right source of social media platforms and be able to collect it.

References:

Moodle notes

Don Bosco Institute of Technology
Department of Computer Engineering

Assessment Rubric for Experiment No. 2

Title of Experiment : Data Collection from social media platforms

Year and Semester : 4th Year and VIIIth Semester

Sr. No.	Criteria	1 Marks	2 Marks	3 Marks	4 Marks	5 Marks
1	Productivity	Not Satisfactory	Satisfactory	Good	Very Good	Excellent
2	Performance (Implementation)	Not Satisfactory	Satisfactory	Good	Very Good	Excellent
3	Viva	Satisfactory	Good	Very Good		
4	Submission on Time	Submitted after the given deadline	Submitted before the given deadline			