

PURPOSE:

To write a python application that will take user inputs and fetch data using YouTube API and then perform processing and analysis on the data

INPUT:

<searchTerm>: This is a user-provided search term, which will be used as a search term for the YouTube API

<searchMax>: This is a user-provided input, which defines the maximum number of search results we want the API to return

OUTPUT:

There are two types of output of this program:

- CSV File: This contains the raw data fetched from the API, such as Video ID, Views, Likes, Comments, Duration and Title.
- Console Output: The program will print formatted output in the form of tables on the console, which will be the analysis of data fetched from API. There will be three tables printed. The first table will display formatted raw data, the second table will list the top 5 videos by liked percentage, and the last will show the top 5 videos sorted by a number of comments.

WHAT THE PROGRAM DOES:

The program makes GET requests to YouTube API, fetches data from there and then works to modify the data to create sets of relevant data and then display them in a friendly format. It also generates a CSV file to store raw data.

ADDITIONAL INFORMATION:

This was an exciting assignment (mini project?). I am very familiar with JavaScript, but it has been a while I used Python. The challenge I faced was working with the correct syntax and implementing the process I had in my mind.