

REPORT by SIDDHARTH CHOUDHARY

PURPOSE:

The purpose of this program is to retrieve the data from youtube api and to operate on it. This basically deals with letting us know that how can one interact with APIs, especially youtube API

INPUT:

Input to this program is the search_term and the search_max amount which generates the result, in the same way when you search on youtube about something. By search_max we are limiting the result.

OUTPUT:

Our program output is the most interesting thing which I would like to talk about. In my analysis here, I am measuring the actual number of likes which the video has. By distinguishing between number of likes and dislikes. This is how it basically gives me the original metrics of the video. Not only that I am also calculating the best liked video out of all those search results and displaying that in the end of our program(in the terminal)

Note: Also the output is being written to a csv file which is generated automatically if it's not present there.

WHAT IT DOES:

The program uses python in-built googleapiclient packages and then by using these packages we are using the modules which calls the inbuilt function to read the items and the json part of the response. Once we have the response we are going forward with video content and then trying to create a metric by implementing our own logics like the way I have done. I am interested in the actual number of likes and dislikes and thus displaying that. Also I am maintaining a dictionary which keeps track of the likes which in turn helps calculating the best videos in the end of the program