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CS 581

I pledge my honor that I have abided by the Stevens honor system

Assignment 3

This program is designed to comfortably query youtube's api to retrieve and analyze data. This program prompts the user for a search term and a max number of searches. The code then connects with youtube's api and pulls the information for the max number of results given by the user. Once the information is acquired and is stored in an array the program creates a csv file. Every time it pulls the information for a video it enters the title, id, view count, like count, dislike count and comment count into the csv file, separating the information by column.

After the csv file is created and the information is stored, the program runs three major blocks of code. The first block finds the video with the highest number of views and prints out its information to the console. The video id is then stored in an array. The program runs that same code to find the highest view count video five times in total. The code checks for the video in the array list "already found" so that it doesn't report the highest view count video as the same one five times.

The program runs this block of code three times. In the first instance it is attempting to find the highest view count. In the second instance it replaces view count with like percentage (likes / views). Finally the third iteration is the same as the second but replacing likes with dislikes.