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API Report

Purpose: The purpose of this program is to allow the user to search a specific keyword with a limit on how many searches are returned, which is then analyzed and categorized.

Input: The user inputs a keyword to search on YouTube and a max amount of results wanted.

Output:

```
Enter in a search. fort
Enter in max search results. 7

Searching YouTube with keyword fort...
Done! Displaying 7 results.

YouTube searches sorted by newest first.
```

	Title	ID	Published_At	Duration
6	GROOT VOICE TROLLING in FORNITE! (Fortnite Cha...	AMZ9XiuHZpM	2020-08-29 23:30:00+00:00	PT14M16S
3	FORNITE ARENA.EXE	LAWvLmzEp3o	2020-08-29 19:59:57+00:00	PT23M3S
5	!LA RULETA DE LAS ARMAS EN FORNITE! ARMA NOOB...	kIk2S13bQmA	2020-04-23 21:35:12+00:00	PT11M15S
4	Fortnite Nintendo Switch Partidaza de 13 Kills!!	b3dm18PHJmM	2020-04-06 21:57:05+00:00	PT22M32S
1	FORNITE - NOOB vs PRO vs HACKER Avengers Tower...	gXPfQx5DGM8	2020-04-04 17:27:08+00:00	PT9M54S
2	MY BEST START EVER 36 KILLS SOLO VS SQUAD FORT...	vNFHq6NPvec	2020-02-12 14:35:52+00:00	PT10M5S
0	Fortnite WTF Moments #100 (Chapter 2)	AwPCMhyQHfK	2019-12-07 16:18:01+00:00	PT10M20S

```
YouTube searches sorted by view count.
```

	Title	ID	Published_At	Duration	View_Count
0	Fortnite WTF Moments #100 (Chapter 2)	AwPCMhyQHfK	2019-12-07 16:18:01+00:00	PT10M20S	6231967
5	!LA RULETA DE LAS ARMAS EN FORNITE! ARMA NOOB...	kIk2S13bQmA	2020-04-23 21:35:12+00:00	PT11M15S	2857408
2	MY BEST START EVER 36 KILLS SOLO VS SQUAD FORT...	vNFHq6NPvec	2020-02-12 14:35:52+00:00	PT10M5S	1181201
6	GROOT VOICE TROLLING in FORNITE! (Fortnite Cha...	AMZ9XiuHZpM	2020-08-29 23:30:00+00:00	PT14M16S	1047599
3	FORNITE ARENA.EXE	LAWvLmzEp3o	2020-08-29 19:59:57+00:00	PT23M3S	669138

```
YouTube searches sorted by percentage of likes.
```

	Title	ID	...	Published_At	Duration
3	FORNITE ARENA.EXE	LAWvLmzEp3o	...	2020-08-29 19:59:57+00:00	PT23M3S
0	Fortnite WTF Moments #100 (Chapter 2)	AwPCMhyQHfK	...	2019-12-07 16:18:01+00:00	PT10M20S
5	!LA RULETA DE LAS ARMAS EN FORNITE! ARMA NOOB...	kIk2S13bQmA	...	2020-04-23 21:35:12+00:00	PT11M15S
6	GROOT VOICE TROLLING in FORNITE! (Fortnite Cha...	AMZ9XiuHZpM	...	2020-08-29 23:30:00+00:00	PT14M16S
2	MY BEST START EVER 36 KILLS SOLO VS SQUAD FORT...	vNFHq6NPvec	...	2020-02-12 14:35:52+00:00	PT10M5S

The output involves printing the three analyses of the data so that the user can see it. A csv file is also output with all the videos.

What the program does: The program uses the YouTube API in order to get search for video details. These details are then written to a csv file, and prints to console so the user can see data quickly.