

# Python intern case study

## Youtube Reviews Project Report

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### Abstract

The prepared study is useful for collecting comments on the specified youtube channel. For the named youtube channel, first the channel id is determined, then all comments on the channel are collected properly and saved as a file. The application was implemented using the Youtube API, which is provided by Google.

### Improvable Parts

Since an API service provided free of charge by Google is used, there is a limit of 10.000 queries per day. Each query to collect comments returns maximum 100 comments and a key for the next comments if there are more. In this way, an iterative query sequence has to be made. The maximum number of comments that can be collected daily is 1 million.

In order not to be stuck to this limit, an algorithm can be developed that can get videos from page elements by making a manual request to the youtube channel. Then, the comments on the video can be obtained with a query again for each video in the video list. Since it is not possible to see all comments on Youtube with a single request, a bot that can imitate user actions such as scrolling on the page can be developed using frameworks such as Selenium. I do not think it can be better in terms of speed, but the limit set by Google can be exceeded with this method.

Rahmi Cemre Ünal