PYTHON PROJECT

• PROJECT NAME: YOUTUBE DOWNLOADER

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Abstract of Project

Project Title : Youtube Downloader

The Youtube downloader project is a python project. The object of this project is to download any type of video in a fast and easy way from youtube in your device.

In this python project, user has to copy the youtube video URL that they want to download and simply paste that URL in the 'paste link here' section and user can also change the type of video quality (i.e., 144p, 360p, 720p and 1080p) by typing these video quality in its respective section. User can also change the download directory.

Now, click on the download button, it will start downloading the video. When video downloading finishes, it shows a message 'downloaded' popup on the window below the download button.

PROJECT SUMMARY

Project Title: YouTube Downloader

In recent times, the numbers of internet users are increasing day by day. It contains those that utilize the internet for research purposes, social networking purposes, and leisure purposes such as watching videos online. Nowadays, one of the most visited and leading sites is YouTube. This website is recognized to be the storage of videos from across the globe. In order to view all these online videos in the computer simply without having to visit the website utilizing the internet making the audio or video tips accessible anytime when one desires to.

There are several advantages of Youtube Downloader:

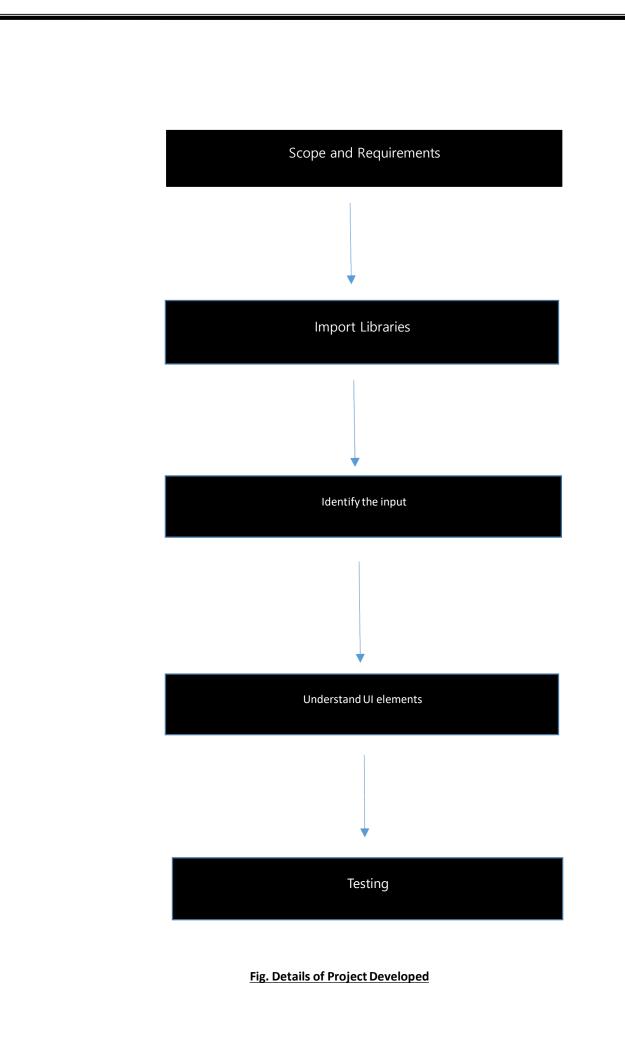
- It maximizes bandwidth accessible and minimizes YouTube's speed throttling
- Support for almost any quality or format available from Youtube
- File management
- It is easy to download.

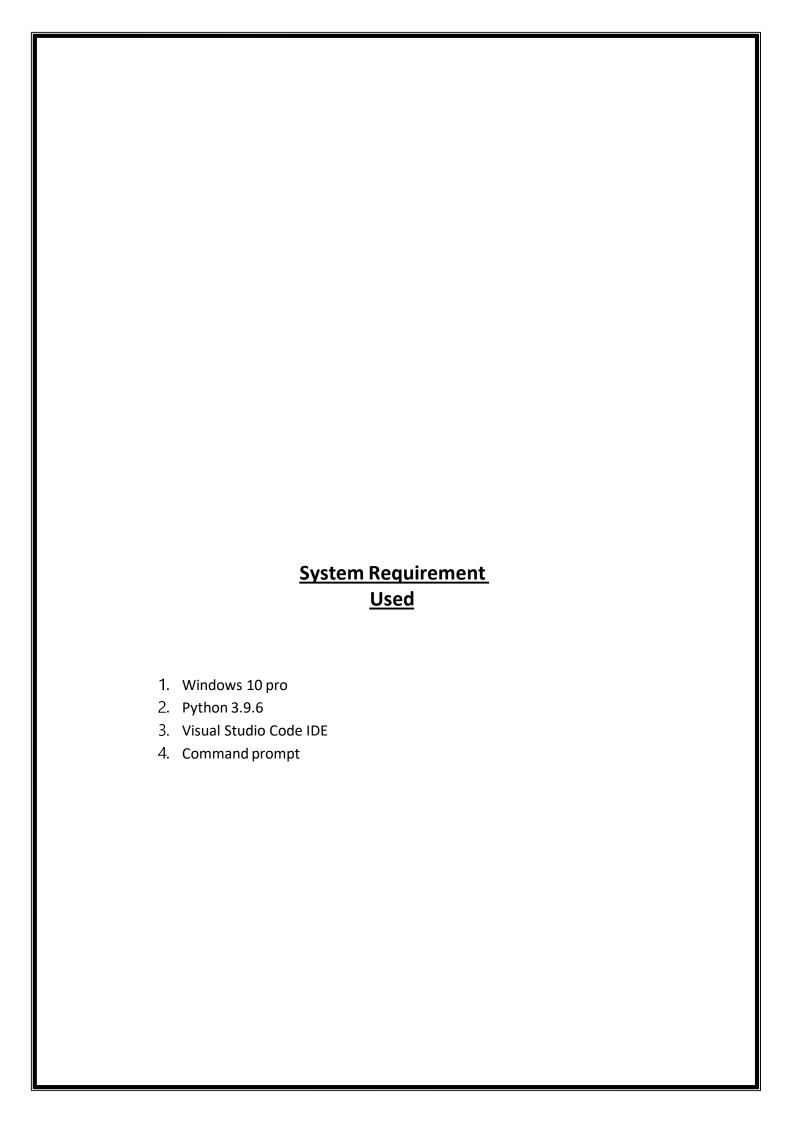
Objectives Of Project

- Youtube Downloader is a program which help us to download video in a easy way.
- Youtube Downloader can also be use to download only audia (i.e., MP3).
- We can also change the output directory.
- Youtube Downloader can also provide to download a video in higher quality.
- Youtube Downloader is easy to use . A video can be download just by a single click.
- Youtube Downloader also has its own GUI.

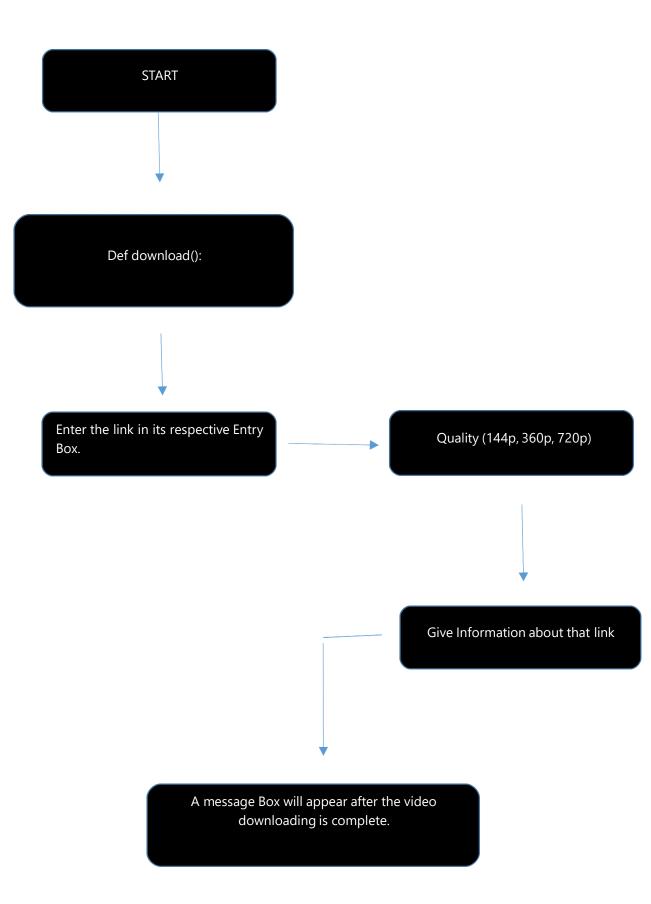
Details of Project Developed

- In this software we need to copy the Uniform Resource Locator of a that video we want to download.
- It is easy to use because it has simple Graphical User Interface.
- There are ten steps to design a Youtube Downloader Project. They are scope & requirment, importing the necessary liabraries, Identify the input, understand UI elements, testing.
- The first step to designing a Youtube Downloader is to know the scope and requirements and its limitations.
- The second step is to import various liabraries such as, tkinter, pytube, time etc.
- The third step is to identify the inputs from users in the form of string and provide it into its respective Entry box.
- The fourth step is to understand the UI elements.
- UI elements are of five types: Command Line (CL), Graphical User Interface (GUI), Menu-Driven Interface (MDI), Form Based Interface (FBI), and Natural Language Interface (NLI).
- The final step of Youtube Downloader Programe is testing, which is done in your device and websites to know how it's working.



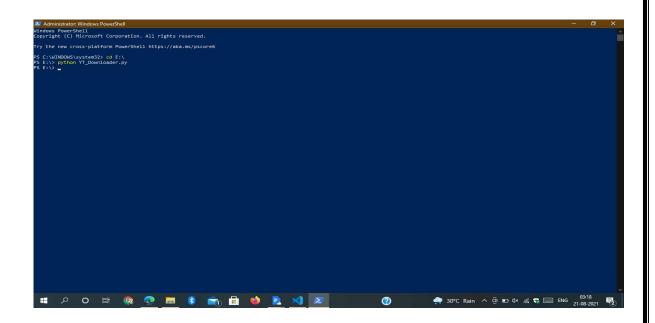


Data flow Diagram / Algorithm

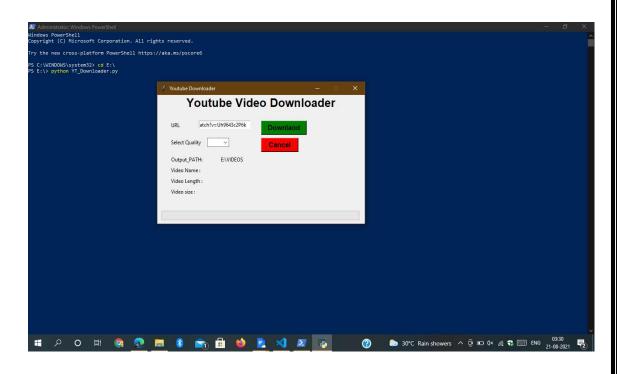


Input Output Datasets / Screenshots

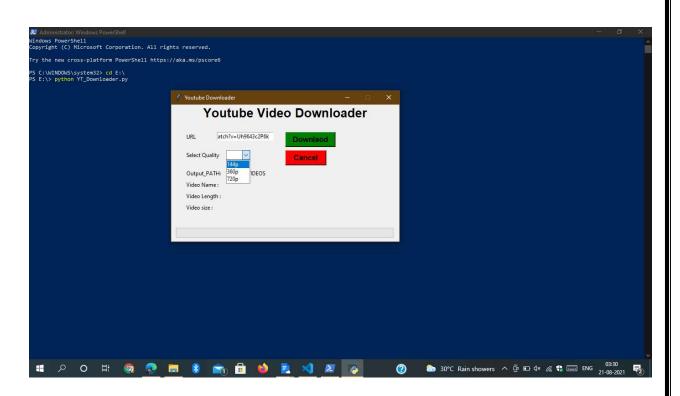
1. Open Youtube Video Downloader.

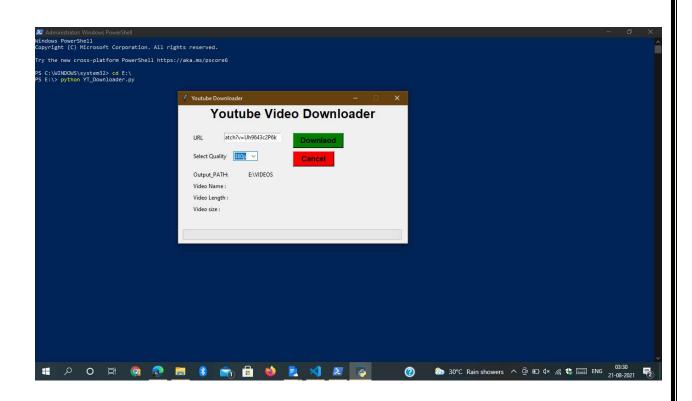


2. Paste a URL link of a video from Youtube.

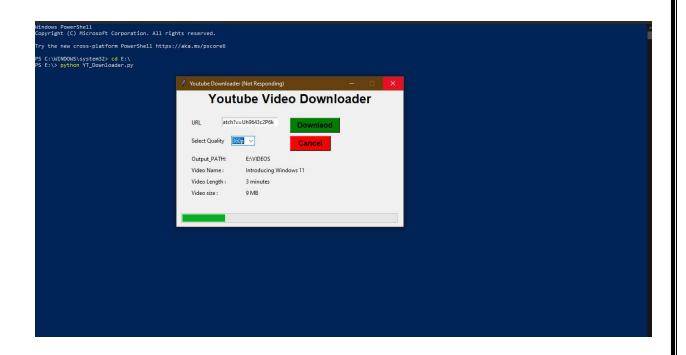


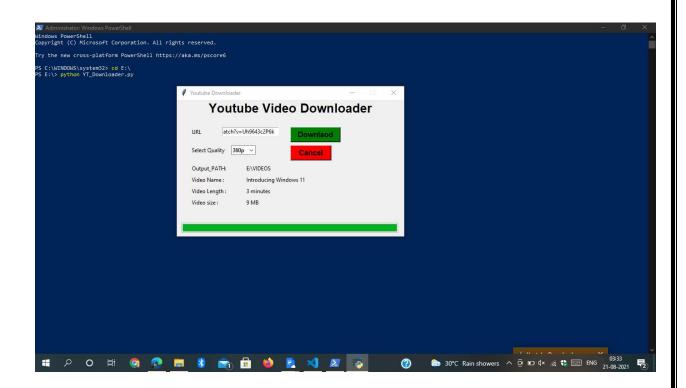
3. Select a quality (144p, 720p, 1080p).



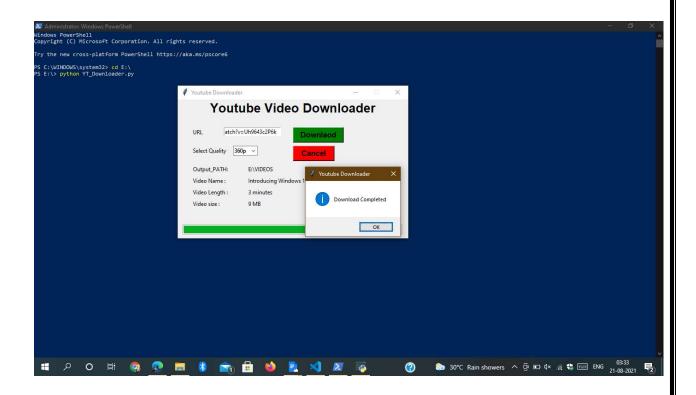


4. Start Downloading.

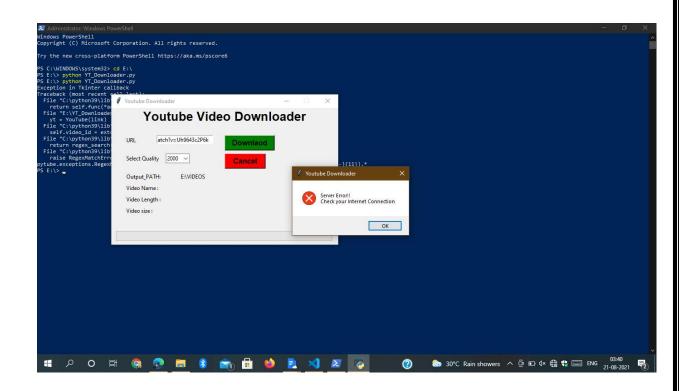




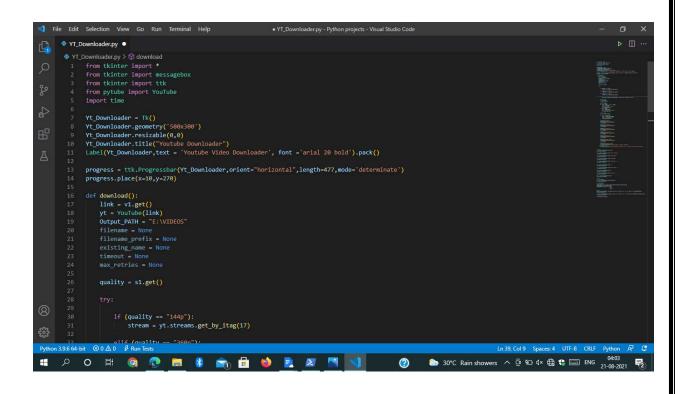
5. Download Completed Message.

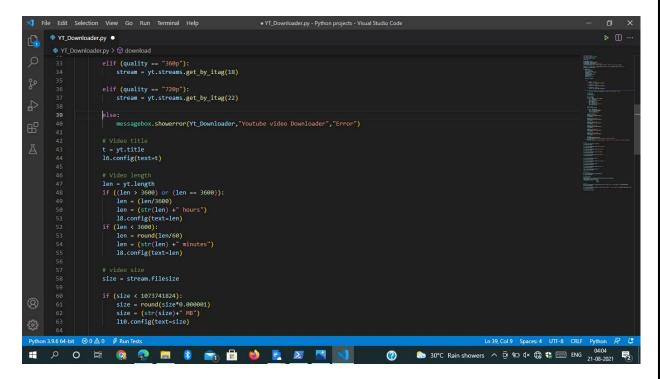


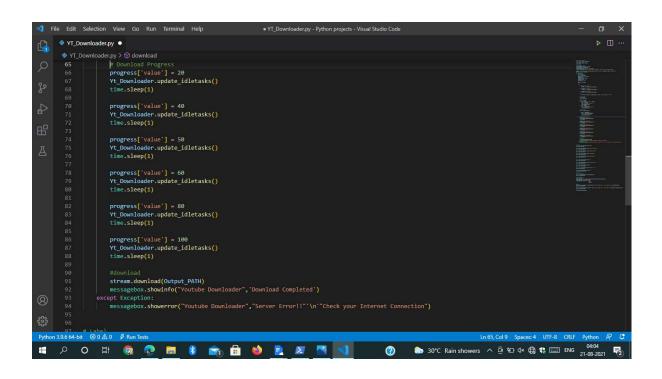
6. Internet Break Message.

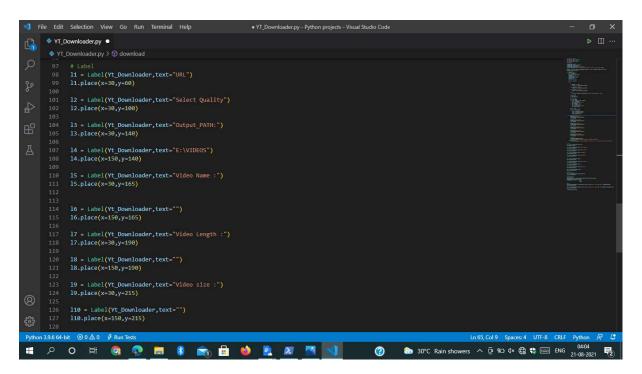


TEXT CODE









References:

- Google (www.google.co.in)
- Youtube (www.youtube.com)
- PyPI · The Python Package Index (www..pypi.org)