

# PROBLEM STATEMENT

“As the number of videos in a YouTube Playlist increases, downloading the whole playlist becomes cumbersome.”

## **What does this mean?**

YouTube is the most popular website for video sharing and is used by a wide number of individuals and media corporations. YouTube playlists come in handy while learning certain topic or concept. Videos are arranged according to the concept and are really helpfull.

To download videos from YouTube, we have to either use a website as a plugin or a video grabber. Even though downloading a large number of videos is quite cumbersome as videos need to be manually grabbed. YouTube playlists come in handy while learning certain topic or concept. Videos are arranged according to the concept and are really helpfull.

## **How can this problem be solved?**

The answer is simple, by using a download manager. A download manager is a computer program dedicated to the task of downloading possibly unrelated stand-alone files from the Internet for storage.

## **How can such a Download Manager Developed?**

This can be accomplished by developing a web-crawler and using the crawled links to download the videos. Python provides a large number of packages for this task. A web crawler can be build which accepts the watch URL of the first video of playlist and the number of videos of the playlist to be downloaded. From this link the downloadable link of the video can be generated and the watch URL of next video can be captured. This concept is implemented in YouPlay.

## **What is YouPlay?**

YouPlay is a download manager written in python 3.0. It is a sort of web-crawler cum downloader. It can be used to download a stand-alone video to the whole playlist. Just add the URL of first video and number of videos to be downloaded and let it download those video for you!