project-7 : python script to download youtube videos (input, if, else)libray

1 install required Packages

```
In [3]:    # installing pytube this library allow you to interact with Youtube video
           pip install pytube3
```

Requirement already satisfied: pytube3 in c:\users\abhishek\anaconda3\lib\site-packages (9.6.4)
Requirement already satisfied: typing-extensions in c:\users\abhishek\anaconda3\lib\site-packages (from pytube3) (4.1
1.0)
Note: you may need to restart the kernel to use updated packages.

```
In [11]:   pip install --upgrade pytube
```

Requirement already satisfied: pytube in c:\users\abhishek\anaconda3\lib\site-packages (15.0.0)
Note: you may need to restart the kernel to use updated packages.

2 download yt_dlp

```
In [16]:   pip install yt_dlp
```

Requirement already satisfied: yt_dlp in c:\users\abhishek\anaconda3\lib\site-packages (2024.8.6)
Requirement already satisfied: brotli in c:\users\abhishek\anaconda3\lib\site-packages (from yt_dlp) (1.0.9)
Requirement already satisfied: certifi in c:\users\abhishek\anaconda3\lib\site-packages (from yt_dlp) (2024.7.4)
Requirement already satisfied: mutagen in c:\users\abhishek\anaconda3\lib\site-packages (from yt_dlp) (1.47.0)
Requirement already satisfied: pycryptodomex in c:\users\abhishek\anaconda3\lib\site-packages (from yt_dlp) (3.20.0)
Requirement already satisfied: requests<3,>=2.32.2 in c:\users\abhishek\anaconda3\lib\site-packages (from yt_dlp) (2.
32.2)
Requirement already satisfied: urllib3<3,>=1.26.17 in c:\users\abhishek\anaconda3\lib\site-packages (from yt_dlp) (2.
2.2)
Requirement already satisfied: websockets>=12.0 in c:\users\abhishek\anaconda3\lib\site-packages (from yt_dlp) (13.0.
1)
Requirement already satisfied: charset-normalizer<4,>=2 in c:\users\abhishek\anaconda3\lib\site-packages (from reques
ts<3,>=2.32.2->yt_dlp) (2.0.4)
Requirement already satisfied: idna<4,>=2.5 in c:\users\abhishek\anaconda3\lib\site-packages (from requests<3,>=2.32.
2->yt_dlp) (3.7)
Note: you may need to restart the kernel to use updated packages.

2 importing installed libraries

```
In [1]:  from pytube import YouTube
         from yt_dlp import YoutubeDL
```

3 getting video link from the user

```
In [3]:  link = input("Enter a youtube video link  : ")
         yt = YouTube(link) # link object of YouTube()
```

4 Extracting video information

```
In [5]:  # To print Title -> .title
         print("Video title : ",yt.title)
         # To print duration -> .length
         print("Video Duration : ",yt.length)
         # To print views -> .views
         print(" Video views : ",yt.views)
         # To print description -> .description
         print("Video description  : ",yt.description)
         # To print rating -> .rating
         print("Video rating : ",yt.rating)
```

```
Video title :  Alag Tujhme Asar Kuch Hai, Tum Se Kiran Dhoop Ki, Fida Hu Me To Ek Nazar Bs, Tum Se new song
Video Duration :  322
 Video views :  2388177
Video description  :  None
Video rating :  None
```

```
In [1]:  # scrip for download youtube video
         from yt_dlp import YoutubeDL

         download_option = input("Would you like do dowload this video ? (yes/no) : ").lower()

         if download_option == 'yes':
             url = 'https://youtu.be/g1yirsZQCAE?si=RIJi7zQSYdpDYW31'
             ydl_opts = {'format' :'best'}
             with YoutubeDL(ydl_opts) as ydl:
                 print("Downloading.........")
                 ydl.download([url])
```

```
            print("Downloading Completed.")

    else:
        print("Downloading aborted ")
```

```
Downloading.........
[youtube] Extracting URL: https://youtu.be/g1yirsZQCAE?si=RIJi7zQSYdpDYW31
[youtube] g1yirsZQCAE: Downloading webpage
[youtube] g1yirsZQCAE: Downloading ios player API JSON
[youtube] g1yirsZQCAE: Downloading web creator player API JSON
[youtube] g1yirsZQCAE: Downloading player 3abab6ef
[youtube] g1yirsZQCAE: Downloading m3u8 information
[info] g1yirsZQCAE: Downloading 1 format(s): 18
[download] Destination: Alag Tujhme Asar Kuch Hai, Tum Se Kiran Dhoop Ki, Fida Hu Me To Ek Nazar Bs, Tum Se new song
[g1yirsZQCAE].mp4
[download] 100% of   18.89MiB in 00:00:01 at 10.61MiB/s
Downloading Completed.
```

In [3]: `# to check the download location`

In [5]:
```python
import os
os.getcwd()
```

Out[5]: `'C:\\Users\\Abhishek\\python code\\projects'`

In [ ]: