Description:

This project allows you to write the trace of a video, and display the frame size information on I-, P-, and B-frames, along with the minimum, maximum, and average frame sizes in the trace.

Prerequisites:

I executed my files on Linux, but you can test it on any operating system if you have **FFmpeg, Python3,** and a way to run **Bash scripts.**

Steps to run:

1. First, place your video file under the input folder and open a terminal.

2. Next, give the execute permission to the "getFrameInfo.sh" bash script, by running the following command:
   chmod +x getFrameInfo.sh"

3. Now just run the following command:
   ./getFrameInfo.sh <input/video_filename>

4. You would see some information getting displayed regarding the progress.

5. After the trace and frame information is written to the output folder, just open them and check the information.

Video Used:

- I downloaded the video at:
  "https://archive.org/details/charlie_chaplin_film_fest" in **MPEG** format.

- The Output Trace file and File Information for this video can be found under the "output" folder with the names **"sample_trace.csv"** and **"sample_fileInfo.txt"** respectively.