Application GUI:

Selecting length:
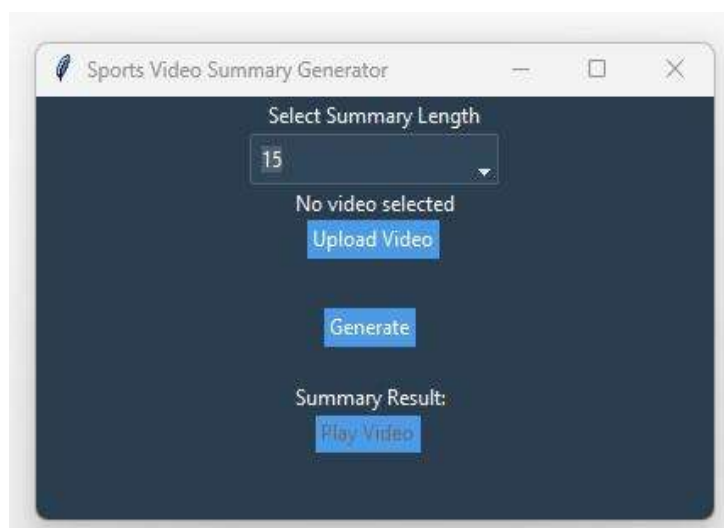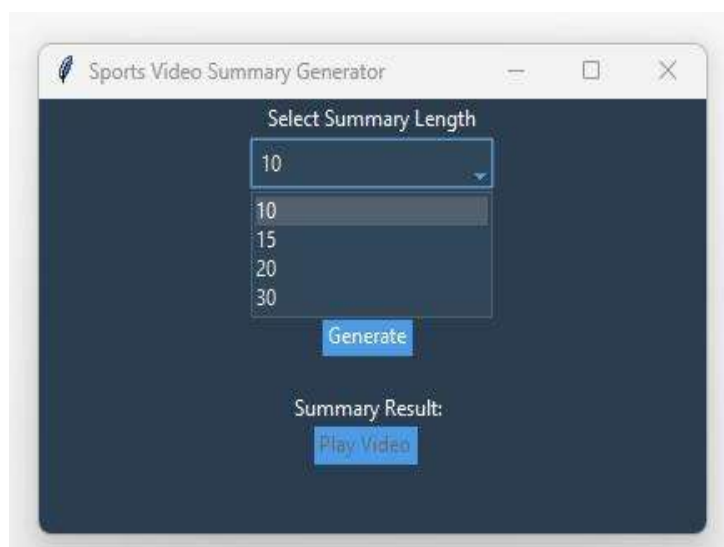
Selecting video:

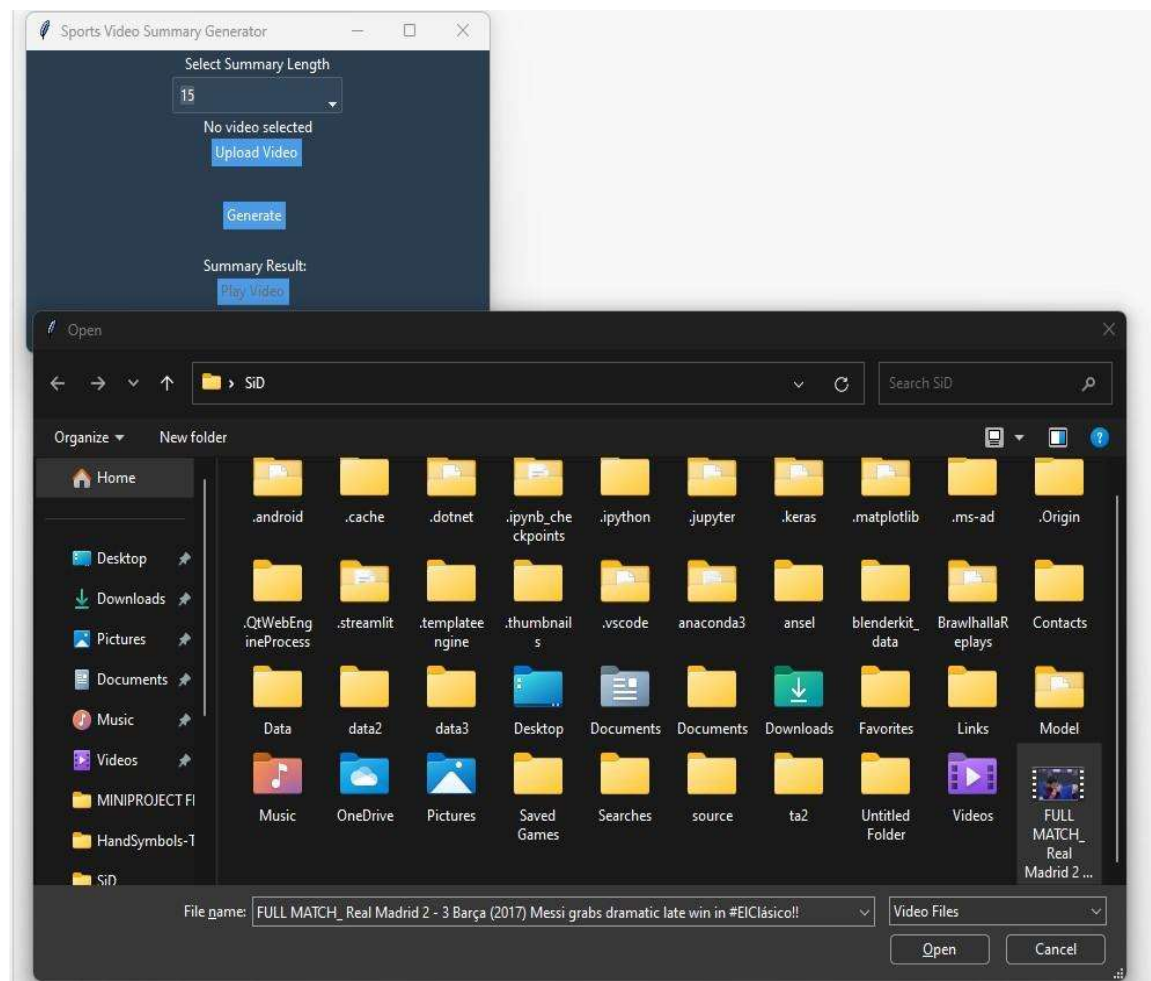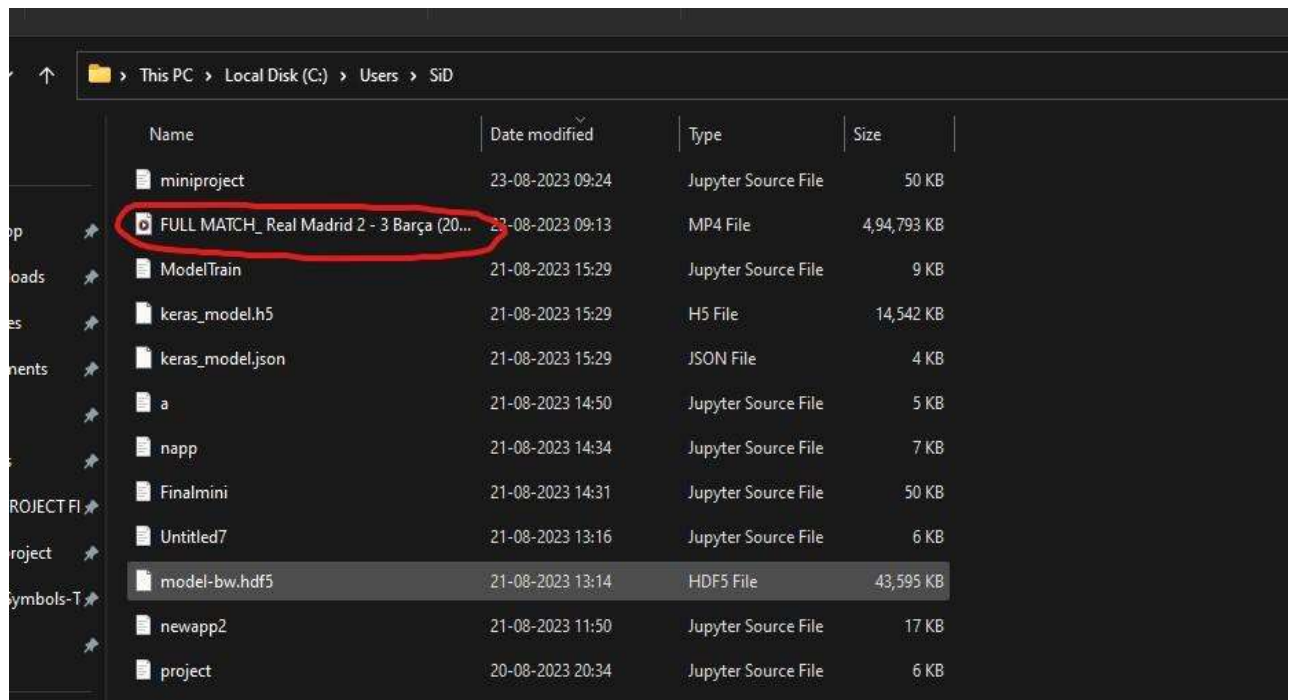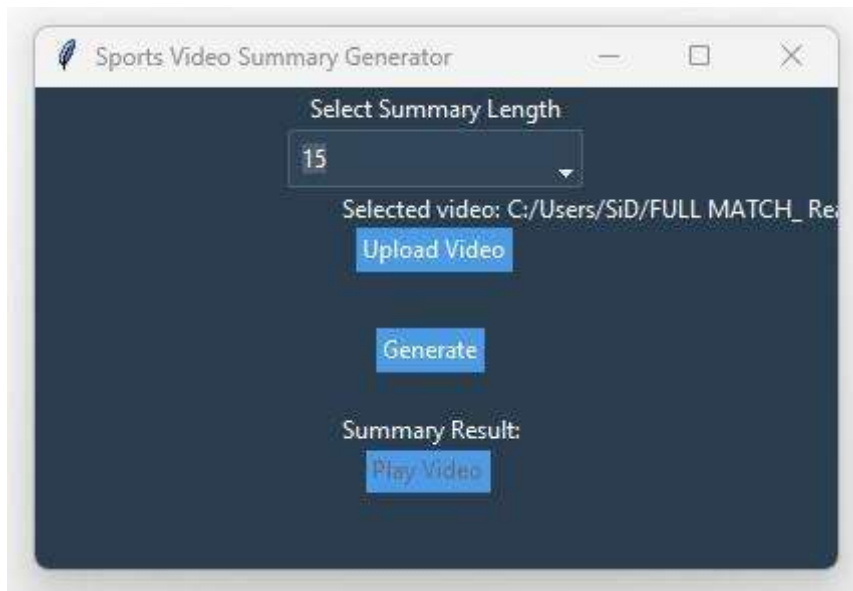**Video selected and then we will click Generate, the Play video button is disabled:**
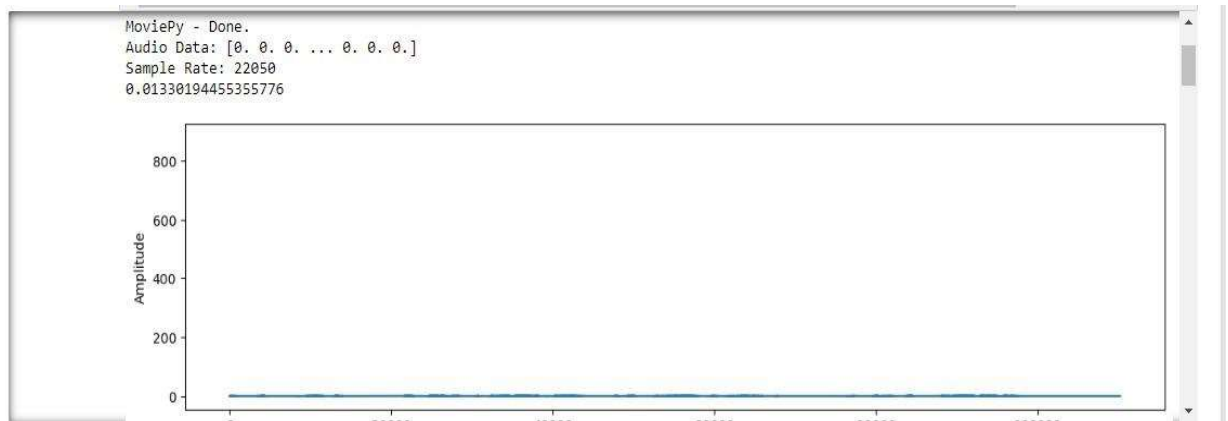

The python program begins creats temporary audio file of the video:

```
Selected video file: C:/Users/SiD/FULL MATCH_ Real Madrid 2 - 3 Barça (2017) Messi grabs dramatic late win in #ElClásico!!.mp4
option 15
MoviePy - Writing audio in videoplayback.mp3

chunk:  24%|███████████████              | 32686/136653 [00:14<00:50, 2075.31it/s, now=None]
```
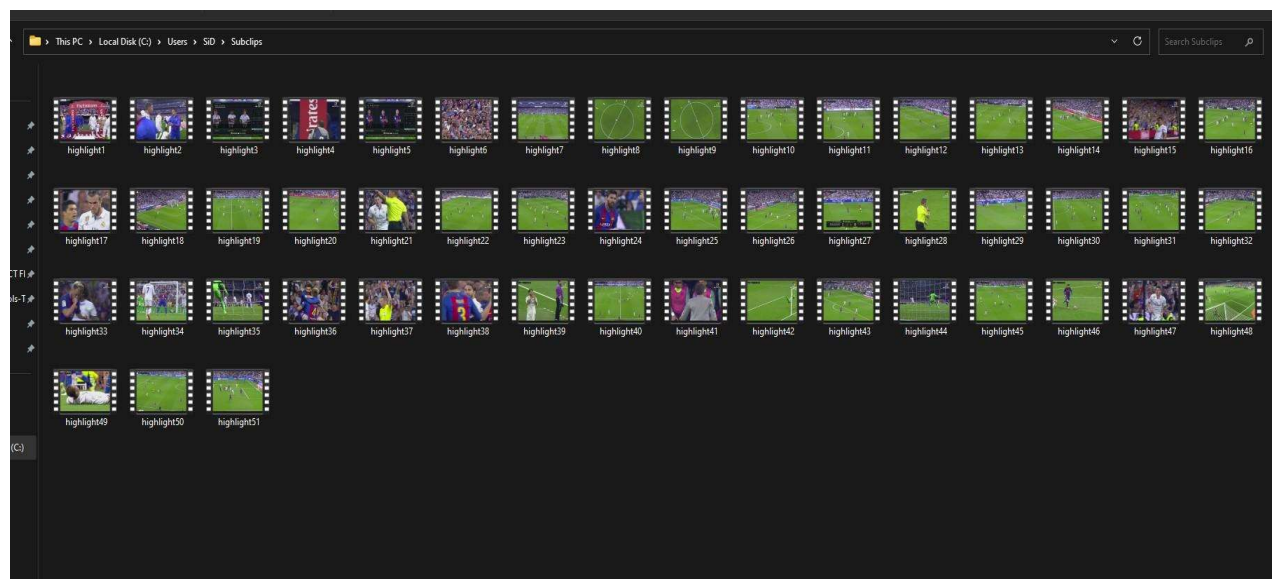
Audio sampling in program:

```
MoviePy - Done.
Audio Data: [0. 0. 0. ... 0. 0. 0.]
Sample Rate: 22050
0.01330194455355776
```


Subclips being extracted:

```
Moviepy - Running:
>>> "+ " ".join(cmd)
Moviepy - Command successful
Moviepy - Running:
>>> "+ " ".join(cmd)
Moviepy - Command successful
Moviepy - Running:
>>> "+ " ".join(cmd)
Moviepy - Command successful
Moviepy - Running:
>>> "+ " ".join(cmd)
Moviepy - Command successful
Moviepy - Running:
>>> "+ " ".join(cmd)
Moviepy - Command successful
Moviepy - Running:
>>> "+ " ".join(cmd)
Moviepy - Command successful
Moviepy - Running:
```
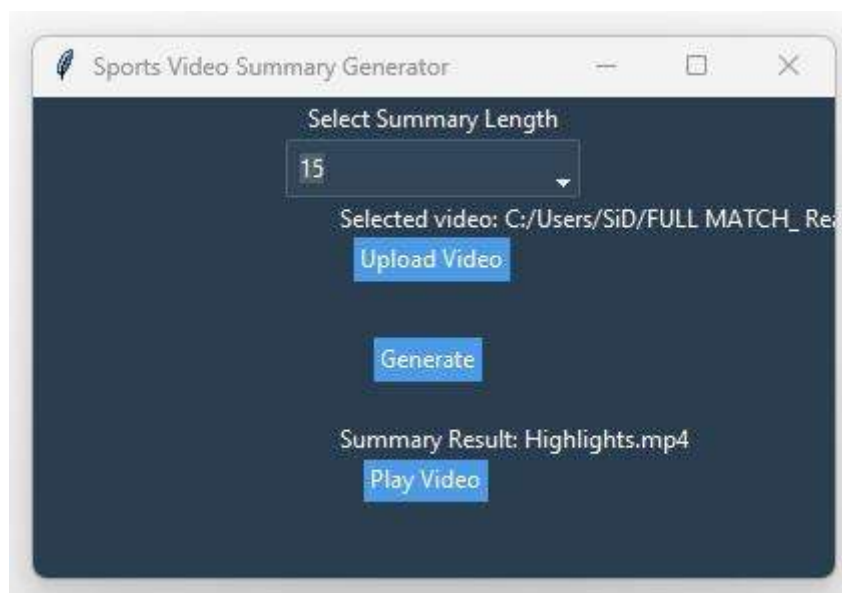
The final output file is created:


```
MoviePy - Done.
Moviepy - Writing video Highlights.mp4


Moviepy - Done !
Moviepy - video ready Highlights.mp4
Highlights.mp4
```
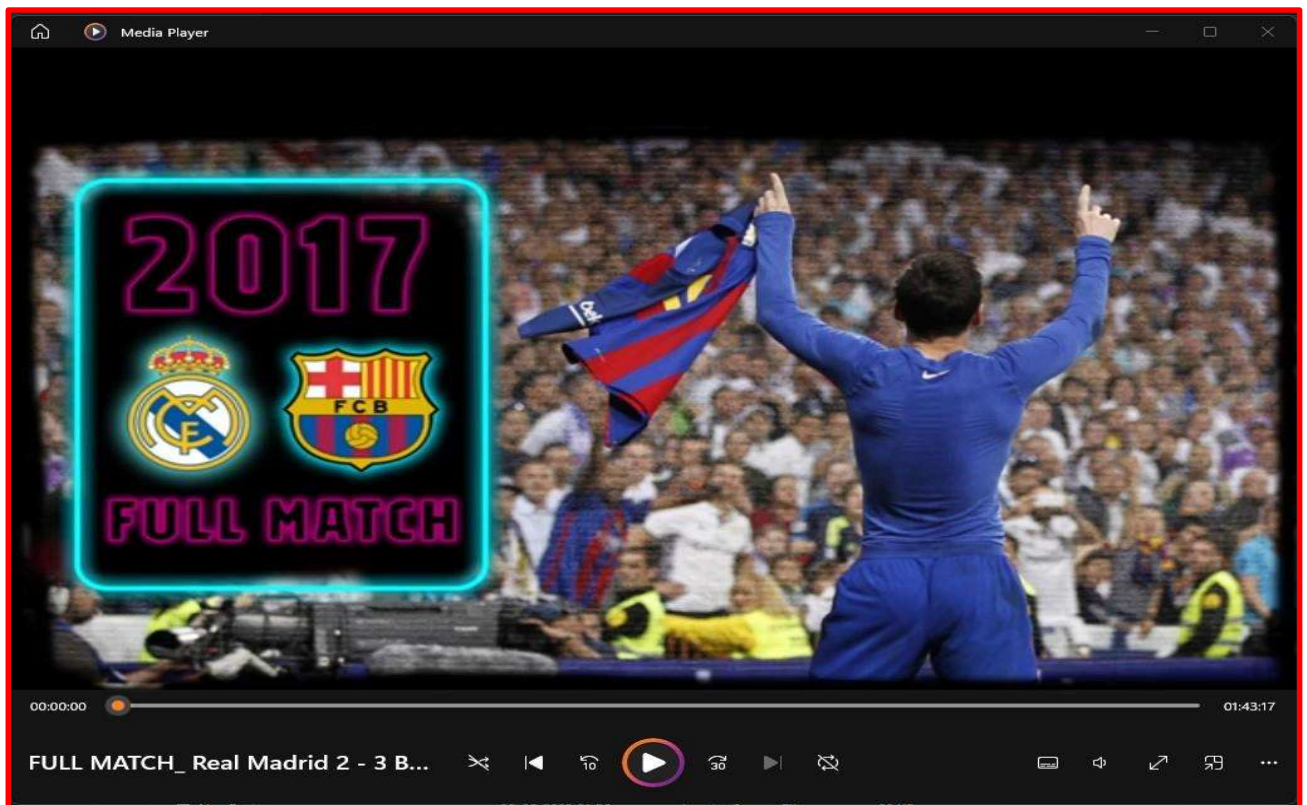
In [3]:

This PC > Local Disk (C:) > Users > SiD

Name	Date modified	Type	Size
Highlights	23-08-2023 09:35	MP4 File	73,811 KB
miniproject	23-08-2023 09:34	Jupyter Source File	39 KB
FULL MATCH_ Real Madrid 2 - 3 Barça (20...	23-08-2023 09:13	MP4 File	4,94,793 KB
ModelTrain	21-08-2023 15:29	Jupyter Source File	9 KB
keras_model.h5	21-08-2023 15:29	H5 File	14,542 KB
keras_model.json	21-08-2023 15:29	JSON File	4 KB
a	21-08-2023 14:50	Jupyter Source File	5 KB
napp	21-08-2023 14:34	Jupyter Source File	7 KB
Finalmini	21-08-2023 14:31	Jupyter Source File	50 KB
Untitled7	21-08-2023 13:16	Jupyter Source File	6 KB
model-bw.hdf5	21-08-2023 13:14	HDF5 File	43,595 KB

The Play video button gets enabled:

Sports Video Summary Generator

Select Summary Length

15

Selected video: C:/Users/SiD/FULL MATCH_ Re
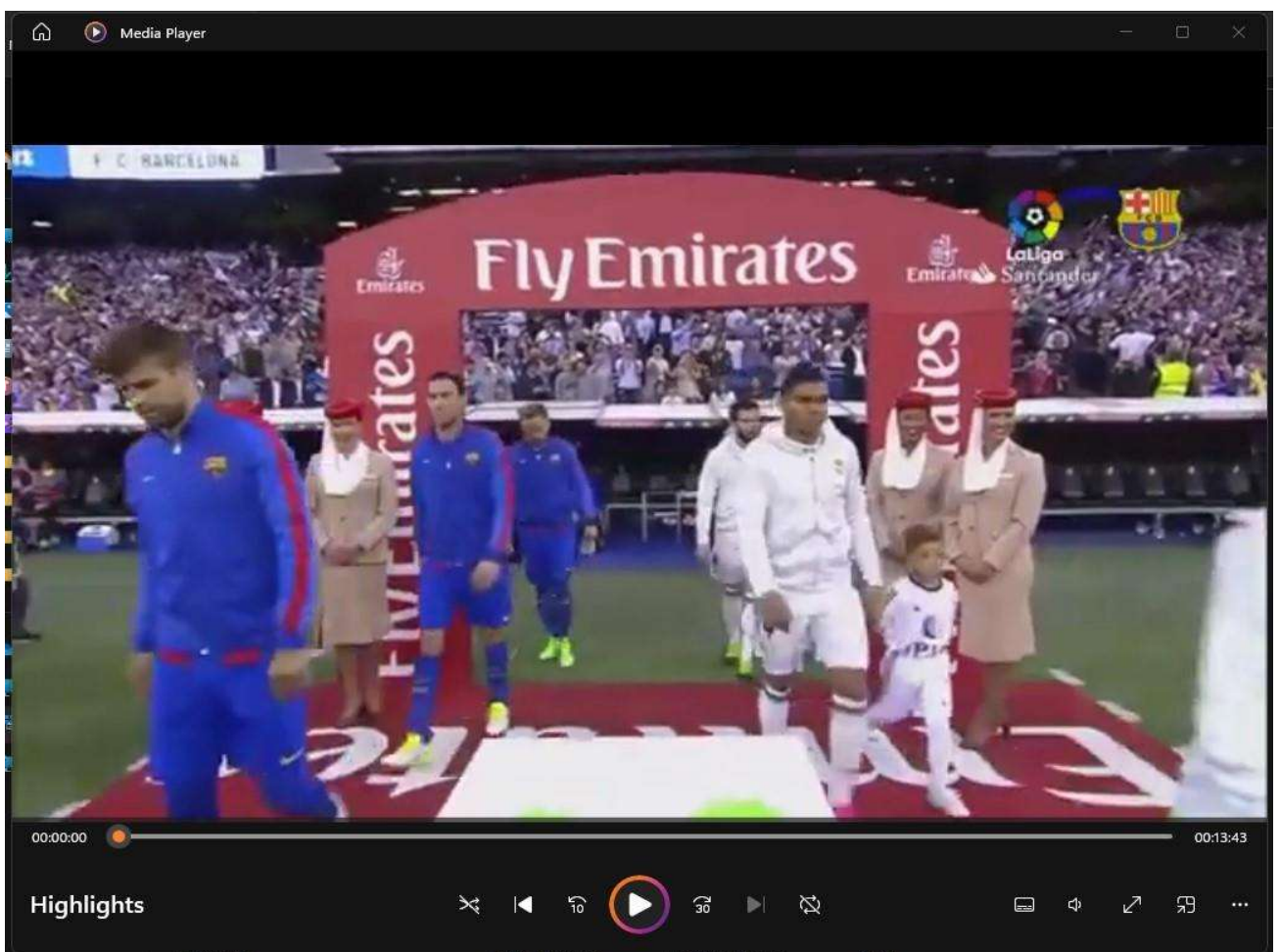
Upload Video

Generate

Summary Result: Highlights.mp4

Play Video

The original video file with length 1 hr 43 minutes:

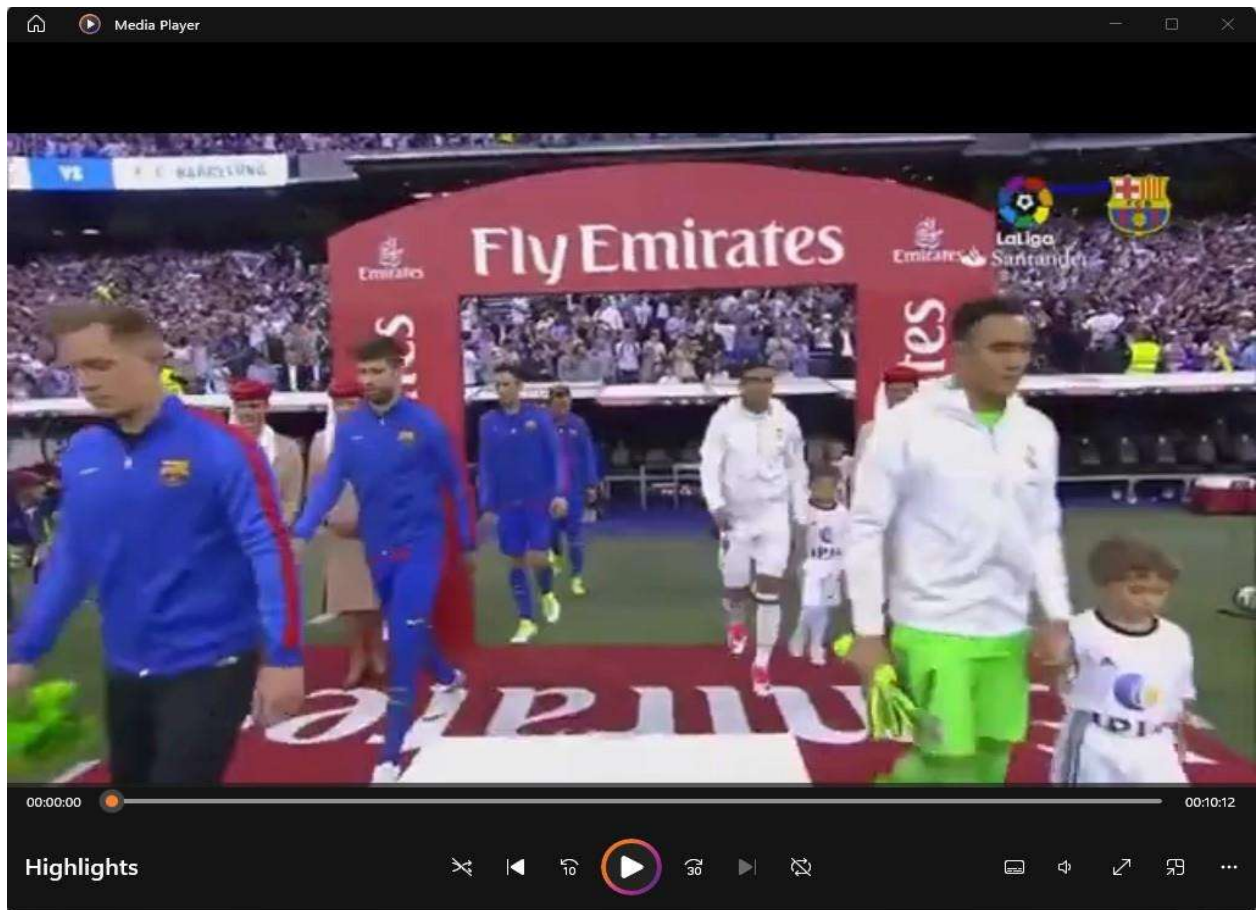**The output video with 15 minutes length:**

Other sample outputs:

Output with length 10 minutes:

Output with length 20 minutes: