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“VIDEO FILE FORMAT REPORT”

‘CONVERSION OF .WMV TO .MP4’

As we all know first we have to explain :

WHAT DOES VIDEO FILE FORMAT MEAN IN GENERAL?

It is a type of file format that is used for storing digital video on computer system . Video is almost stored by using lossy compression to reduce file size , as it is the container to store audio ,video and so many other metadata. A codec encode and decode also compress the video while the audio codec does the same thing with the sound

THE DIFFERENCE BETWEEN WMV AND MP4 FILE FORMAT:

- ***WMV FILE FORMAT:***

It stands for windows media video ,it is a series of video codecs, a video slideshow format and corresponding video coding formats we can call it the advanced systems format: is a digital multimedia container which designed for storing and transmitting media streams . it is part of windows media

framework. It consists of 3 distinct codecs ,as it is the most recognized video compression format .

- ***MP4 FILE FORMAT:***

As we can say MP4 is a digital multimedia container format , it is mostly used to store videos and audios but also for subtitles and still images . It's bit-depth :8bits,10bits . It is very good on pc and mobile .

NOW BY USING PYTHON THE CODE WILL BE ..:

```
Import os
Import subprocess

Media_root = os.path.abspath('./MMSROOT/')
Time_arrange_root = os.path.join(media_root,'2011')
Diease_arrange_root =
os.path.join(media_root,'MMS')
```

```
Def convert_video(dir_root):
Filenames = os.listdir(dir_root)
For filename in filenames :
If filename[-4:] == '.wmv' :
Mp4_name = str(filename.split('.')[0])+".mp4"
Print(f'{filename} to {mp4_name}')
Subprocess.call(['ffmpeg','-I' ,
f'{os.path.join(dir_root,filename)}',
F'{os.path.join(dir_root,mp4_name)}'])

Else:
        Continue



Print(f"Time arrange dir : {time_arrange_root}")
Print(f"diease arrange dir : {diease_arrange_root}")

Dir_value = input(">")

If not os.path.exsits(dir_value):
```

```
    Print("wrong path …. exit")
Exit()


Else:
        Convert_video(dir_value)
```