

## Converting Video to Audio Python Project

Hello everybody  
welcome back to this python project.

In this python project we write a python program which helps us to convert any video to audio file.

This is one of the basic python projects you need to do as a python programmer.

So, at the end of this video you can write your own python program which converts any video file to audio file.

By the way it is a very easy python project like other real world python projects we do in the previous time.

Ok, now let's start this python project by opening a PyCharm python IDE

I use PyCharm for this python project and also, I recommend you to use this python IDE.

Or if you have your own favorite IDE, you can use it.

Ok, now I am in PyCharm and  
I start by **creating a new python file**

For that

I click this at the top

And click new

Then python file

And I give the file name

**Video to audio converter**

I give this name

You can give any name you want for your python file name.

For this python project I give this name

And when I hit enter

It creates a new python file, it creates a blank page

This is a blank python file

So, I start writing my code at this page to create video to audio converter program.

Ok, the first is I start this project by importing important python module to help us converting video files to audio.

So, for this project I use  
Moviepy python module

This moviepy python module is used to convert one file format to another file format for that I use moviepy python module for this python project.

So, the first thing is installing this python module

Before importing you need to install this python module

For that you can use PyCharm python IDE

At the bottom of this PyCharm page there is a terminal section and by clicking this terminal you can get your python project file path.

And you can write

Pip install moviepy

And hit enter it starts download and install to your python project.

So, you need to install first to use this python module.

For me I already install it before, so I don't install it again

For that

I only import this python module.

So, to import

I write

import moviepy.editor as mp

```
import moviepy.editor as mp
```

ok, after I import this important python module the next point is creating an object by using this moviepy python module.

For that

I create an object which is clip

So,

Clip = mp.VideoFileClip()

And I pass the video file name

I already have a video in the same folder of this PyCharm python file and I only write the video file name.

So,

```
Clip=mp.VideoFileClip(Variables.mp4)
```

And inside this video file clip function I pass my video file name

Variables.mp4

Inside a single or double quote,

To pass this parameter as a string.

So, the clip object

Is

```
clip = mp.VideoFileClip("Variables.mp4")
```

and to convert this clip object to audio

I write

```
Clip.audio.writ_audiofile()
```

And inside this write\_audiofile()

Function I pass the audio file name

This helps us to save the converted audio, for that you need to give the audio file name as mp3 file extension.

So, for this python project I want to give the audio file name as

My audio.mp3

Inside the double quote.

You can use any file name you want to save your audio.

However, for this

I give the name my audio.mp3

Like this

```
clip.audio.write_audiofile("my audio.mp3")
```

Ok **now we finish this python project**

The next is checking this program by running

So,

**I run this** and

This python program works without any error

As you see it **shows the percentage**

To convert this video to audio

And when this process finish you can see an audio file in the same folder of this python project.  
So, you can convert any video file to audio file by using these 3 lines of python codes.

Ok, this is all about this video  
I think you get some concepts about how this python project works.

Thanks for watching  
I will see you in the next python project  
Thanks again!!

!!! The Full Code Looks Like!!!

```
# Importing Important Python Modules
import moviepy.editor as mp

clip = mp.VideoFileClip("Variables.mp4")
clip.audio.write_audiofile("my_audio.mp3")
```

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