

# Requirements

- Mac OS
- Python text file
- A .csv file containing the audio bible links and labels in the following format:
  - Column A - Name of book in Bible
  - Column B - Chapter
  - Column C - link to audio file
  - Column D - Bible version

	A	B	C	D
1	馬太福音	1	<a href="https://audio-bible-cdn.s3.amazonaws.com/mp3/Chinese/01-Matthew/01-Matthew-01.mp3">https://audio-bible-cdn.s3.amazonaws.com/mp3/Chinese/01-Matthew/01-Matthew-01.mp3</a>	和合本修訂版(粵語)
2	馬太福音	2	<a href="https://audio-bible-cdn.s3.amazonaws.com/mp3/Chinese/01-Matthew/02-Matthew-02.mp3">https://audio-bible-cdn.s3.amazonaws.com/mp3/Chinese/01-Matthew/02-Matthew-02.mp3</a>	和合本修訂版(粵語)
3	馬太福音	3	<a href="https://audio-bible-cdn.s3.amazonaws.com/mp3/Chinese/01-Matthew/03-Matthew-03.mp3">https://audio-bible-cdn.s3.amazonaws.com/mp3/Chinese/01-Matthew/03-Matthew-03.mp3</a>	和合本修訂版(粵語)
4	馬太福音	4	<a href="https://audio-bible-cdn.s3.amazonaws.com/mp3/Chinese/01-Matthew/04-Matthew-04.mp3">https://audio-bible-cdn.s3.amazonaws.com/mp3/Chinese/01-Matthew/04-Matthew-04.mp3</a>	和合本修訂版(粵語)
5	馬太福音	5	<a href="https://audio-bible-cdn.s3.amazonaws.com/mp3/Chinese/01-Matthew/05-Matthew-05.mp3">https://audio-bible-cdn.s3.amazonaws.com/mp3/Chinese/01-Matthew/05-Matthew-05.mp3</a>	和合本修訂版(粵語)
6	馬太福音	6	<a href="https://audio-bible-cdn.s3.amazonaws.com/mp3/Chinese/01-Matthew/06-Matthew-06.mp3">https://audio-bible-cdn.s3.amazonaws.com/mp3/Chinese/01-Matthew/06-Matthew-06.mp3</a>	和合本修訂版(粵語)

OR

	A	B	C	D
1	John	1	<a href="https://audio-bible-cdn.youversion.com/audiobible/audiobible.mp3">https://audio-bible-cdn.youversion.com/audiobible/audiobible.mp3</a>	NKJV
2	John	2	<a href="https://audio-bible-cdn.youversion.com/audiobible/audiobible.mp3">https://audio-bible-cdn.youversion.com/audiobible/audiobible.mp3</a>	NKJV
3	John	3	<a href="https://audio-bible-cdn.youversion.com/audiobible/audiobible.mp3">https://audio-bible-cdn.youversion.com/audiobible/audiobible.mp3</a>	NKJV
4	John	4	<a href="https://audio-bible-cdn.youversion.com/audiobible/audiobible.mp3">https://audio-bible-cdn.youversion.com/audiobible/audiobible.mp3</a>	NKJV
5	John	5	<a href="https://audio-bible-cdn.youversion.com/audiobible/audiobible.mp3">https://audio-bible-cdn.youversion.com/audiobible/audiobible.mp3</a>	NKJV
6	John	6	<a href="https://audio-bible-cdn.youversion.com/audiobible/audiobible.mp3">https://audio-bible-cdn.youversion.com/audiobible/audiobible.mp3</a>	NKJV
7	John	7	<a href="https://audio-bible-cdn.youversion.com/audiobible/audiobible.mp3">https://audio-bible-cdn.youversion.com/audiobible/audiobible.mp3</a>	NKJV
8	John	8	<a href="https://audio-bible-cdn.youversion.com/audiobible/audiobible.mp3">https://audio-bible-cdn.youversion.com/audiobible/audiobible.mp3</a>	NKJV
9	John	9	<a href="https://audio-bible-cdn.youversion.com/audiobible/audiobible.mp3">https://audio-bible-cdn.youversion.com/audiobible/audiobible.mp3</a>	NKJV

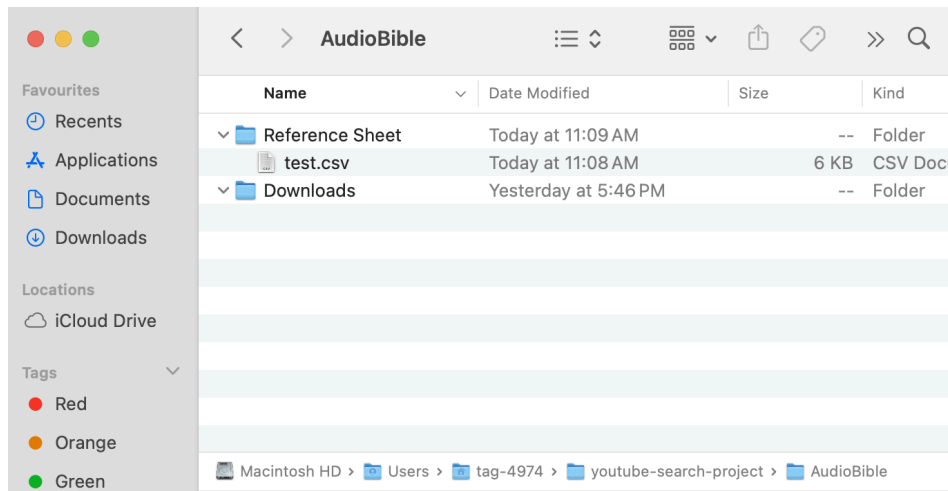
# How it works

After you have set up the script, this is the file structure you can use.

There will be 2 folders, one called the Reference Sheet, the other called Downloads.

The Reference Sheet folder will contain the .csv spreadsheet file which has all the list of links to all the audio bible mp3 files.

The Downloads folder will contain all the downloaded mp3 audio files after you have run the script.



Example, after you run the code:

```
youtube-search-project — Python audiobiblesave.py — 80x24
tag-4974@BenGs-MacBook-Pro youtube-search-project % source venv/bin/activate
(venv) tag-4974@BenGs-MacBook-Pro youtube-search-project % python audiobiblesave.py
Downloading: 01_John NKJV.mp3
Saved to: /Users/tag-4974/youtube-search-project/AudioBible/Downloads/01_John NKJV.mp3
Downloading: 02_John NKJV.mp3
Saved to: /Users/tag-4974/youtube-search-project/AudioBible/Downloads/02_John NKJV.mp3
Downloading: 03_John NKJV.mp3
Saved to: /Users/tag-4974/youtube-search-project/AudioBible/Downloads/03_John NKJV.mp3
Downloading: 04_John NKJV.mp3
Saved to: /Users/tag-4974/youtube-search-project/AudioBible/Downloads/04_John NKJV.mp3
Downloading: 05_John NKJV.mp3
Saved to: /Users/tag-4974/youtube-search-project/AudioBible/Downloads/05_John NKJV.mp3
Downloading: 06_John NKJV.mp3
Saved to: /Users/tag-4974/youtube-search-project/AudioBible/Downloads/06_John NKJV.mp3
```

There will now be audio files downloaded in the folder:

AudioBible				
Name	Date Modified	Size	Kind	
<div> <div></div> <div>Reference Sheet</div> </div>	Today at 11:09 AM	--	Folder	
<div> <div></div> <div>test.csv</div> </div>	Today at 11:08 AM	6 KB	CSV Document	
<div> <div></div> <div>Downloads</div> </div>	Today at 11:12 AM	--	Folder	
<div> <div></div> <div>28_Acts .mp3</div> </div>	Today at 11:12 AM	1.2 MB	MP3 audio	
<div> <div></div> <div>27_Acts .mp3</div> </div>	Today at 11:12 AM	1.5 MB	MP3 audio	
<div> <div></div> <div>26_Acts .mp3</div> </div>	Today at 11:12 AM	1.2 MB	MP3 audio	
<div> <div></div> <div>25_Acts .mp3</div> </div>	Today at 11:12 AM	1.1 MB	MP3 audio	
<div> <div></div> <div>24_Acts .mp3</div> </div>	Today at 11:12 AM	955 KB	MP3 audio	
<div> <div></div> <div>23_Acts .mp3</div> </div>	Today at 11:12 AM	1.3 MB	MP3 audio	
<div> <div></div> <div>22_Acts .mp3</div> </div>	Today at 11:12 AM	1.1 MB	MP3 audio	
<div> <div></div> <div>21_John NKJV.mp3</div> </div>	Today at 11:12 AM	1.1 MB	MP3 audio	
<div> <div></div> <div>21_Acts .mp3</div> </div>	Today at 11:12 AM	1.5 MB	MP3 audio	

# Execution

Open the terminal

## Create a Virtual Environment (One Time Setup)

Then in the terminal, inside your project folder:

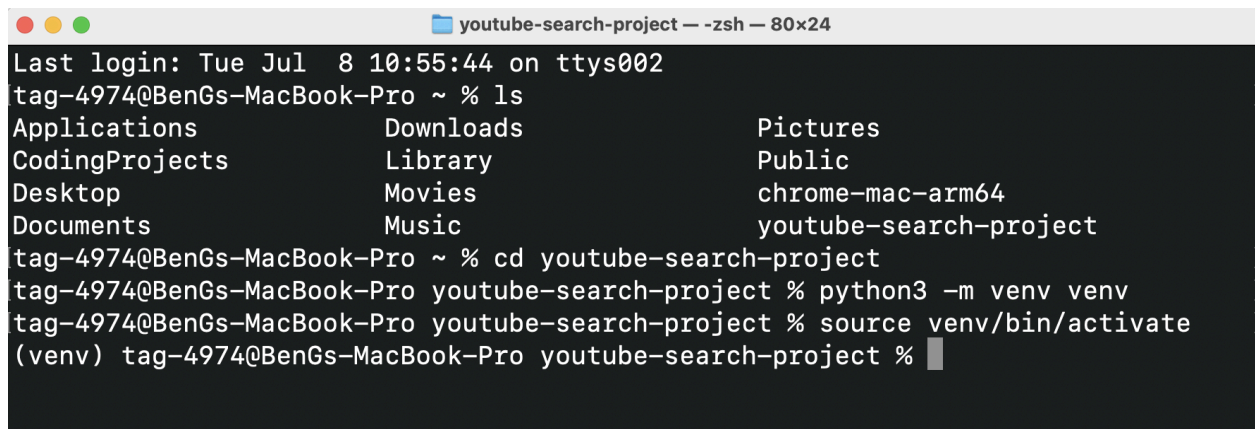
```
python3 -m venv venv
```

This creates a new folder called venv which will safely hold all the libraries just for this project.

## Activate the Virtual Environment

```
source venv/bin/activate
```

You'll see (venv) appear at the start of your Terminal prompt. That means you're inside the environment.

A screenshot of a macOS terminal window titled "youtube-search-project -- zsh -- 80x24". The terminal shows the following sequence of commands and output:

```
Last login: Tue Jul  8 10:55:44 on ttys002
tag-4974@BenGs-MacBook-Pro ~ % ls
Applications      Downloads         Pictures
CodingProjects   Library          Public
Desktop          Movies           chrome-mac-arm64
Documents        Music            youtube-search-project
tag-4974@BenGs-MacBook-Pro ~ % cd youtube-search-project
tag-4974@BenGs-MacBook-Pro youtube-search-project % python3 -m venv venv
tag-4974@BenGs-MacBook-Pro youtube-search-project % source venv/bin/activate
(venv) tag-4974@BenGs-MacBook-Pro youtube-search-project %
```

## Install “Requests” inside the Virtual Environment

```
pip install requests
```

Then run your script

```
python audiobiblesave.py
```

Remember to change the location and reference names in your code\*

## Here is how to do that(changing the file pathways):

### ✓ For **CSV\_FILE\_PATH** (Your .csv File)

1. Open **Finder**.
2. Locate your **.csv** file (e.g., maybe it's called **bible\_links.csv**).
3. Right-click the file → **Get Info**.
4. In the **Where** section, you'll see something like:

```
swift
CopyEdit
/Users/tag-4974/Documents/AudioBible/Reference Sheet
```

5. The **full path** is:

```
swift
CopyEdit
/Users/tag-4974/Documents/AudioBible/Reference Sheet/bible_links.csv
```

👉 So you set:

```
python
CopyEdit
CSV_FILE_PATH = '/Users/tag-4974/Documents/AudioBible/Reference
Sheet/bible_links.csv'
```

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### ✓ For **DOWNLOAD\_FOLDER** (Where You Want MP3s Saved)

1. Create a folder in Finder (e.g., call it **Downloads** inside your project folder).
2. Right-click that **Downloads** folder → **Get Info**.
3. Copy the path from **Where**:

```
swift
CopyEdit
/Users/tag-4974/Documents/AudioBible
```

4. Add `/Downloads` to the end:

```
swift
CopyEdit
/Users/tag-4974/Documents/AudioBible/Downloads
```

👉 So you set:

```
python
CopyEdit
DOWNLOAD_FOLDER = '/Users/tag-4974/Documents/AudioBible/Downloads'
```

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#### ✅ Summary Example (Change to Your Real Paths):

```
python
CopyEdit
CSV_FILE_PATH = '/Users/tag-4974/Documents/AudioBible/Reference
Sheet/bible_links.csv'
DOWNLOAD_FOLDER = '/Users/tag-4974/Documents/AudioBible/Downloads'
```

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👉 **Tip:** You can also **drag-and-drop** the file or folder **into Terminal**—it will paste the full correct path for you. Then just copy that into your code.