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# Software Project Report

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<u>AIM :-</u> To make an audioplayer in which songs are played in random order.

**Scripting Language :-** Python (3.10.6)

### Library Used:-

- 1) Numpy Library,
- 2) Playsound Library.

#### Mechanism:-

- 1) Import numpy, pygame, random and tkinter library.
- 2) Give the directory of the songs so that songs can be accessed.
- 3) Making a list of audio files.
- 4) Shuffling the audio randomly.
- 5) Play the songs according to their position is the playlist.
- 6) If all the songs are played once in the loop, then a new random list of the songs is generated.
- 7) This process continues till the program is closed.

<u>Conclusion</u>:- In this way we have created a program which plays songs randomly, selected from the created playlist.

# **Output Images :-**

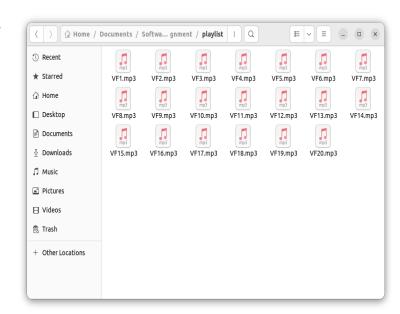


Image of the playlist folder

```
def next_song():
    play_next_song()
    update_current_song_label()

def qutt_mustc_player():
    pygame.mtxer.mustc.stop()
    window.qutt()

pygame.intt()
mustc_folder = choose_mustc_folder()
playlist = get_mustc_ftles(mustc_folder)
current_song_index = 0
    window = tk.Tk()
    window.ittle("song Playlist")
window.geometry("400x200")
current_song_label = tk.label(window, text="Current Song: ")
current_song_label.pack()

paused = False
play_pause_button = tk.Button(window, text="Pause Current Song", command=play_pause)
play_pause_button.pack()

next_song_button = tk.Button(window, text="Play Next Song", command=next_song)
next_song_button.pack()

quit_button = tk.Button(window, text="Quit", command=quit_music_player)
quit_button.pack()

update_current_song_label()
pygame.mixer.music.load(playlist[current_song_index])
pygame.mixer.music.play()
window.mainloop()
pygame.quit(")
```

Images of the code

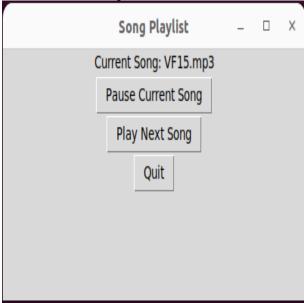


Image of the output of the code