Probability Software Assignment

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***Abstract*—In this assignment I made a Music player in C which more focuses on shuffling and plays throuch mpg123.**

Process

1) I used srand to set rand and to randomise the song.
   To randomize even more I used clock ticks to get shorter timeframe - by using clock functions.
2) I use two arrays to make the randomization and play .
3) I take a very random number and use it to align atlest few songs by -
   -I divide the ramdom number by total songs.
   -Remainder is the number of song to be played.

   -Quotient is then next divided by previous Divisor so as to get an easy random number.
   -If number becomes short a new number is taken.

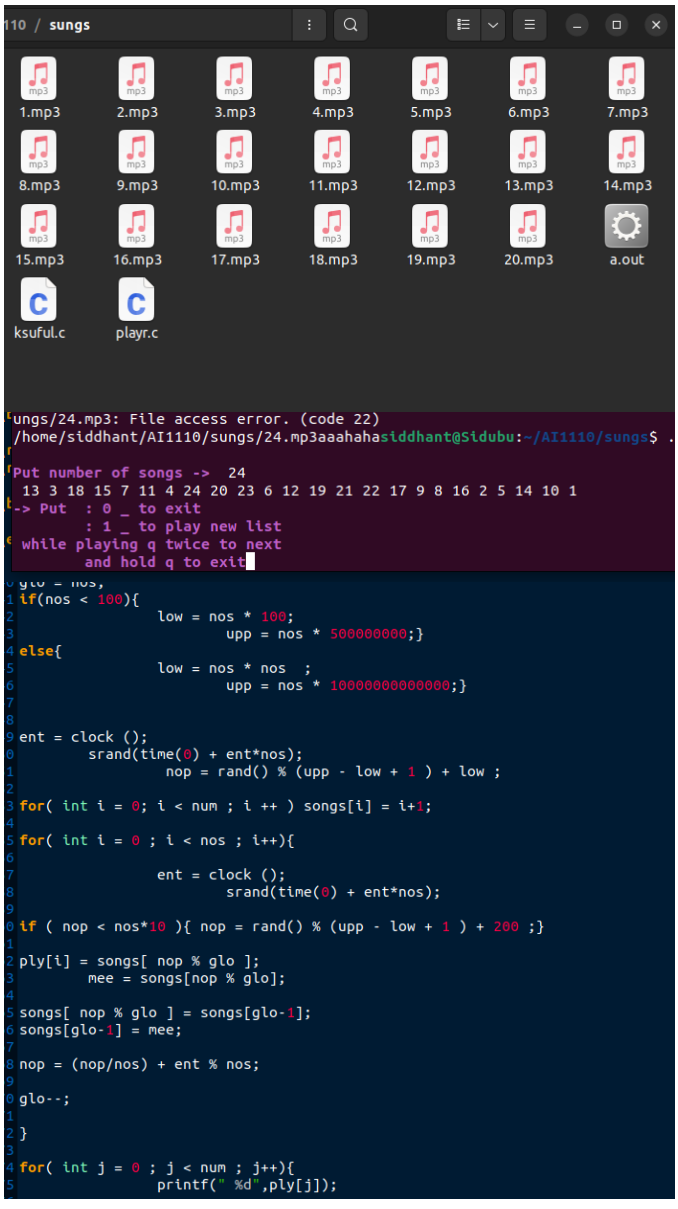
   -The list is then played by using — mpg123 —-

   -Press h for help.

   -Number keys to seek.

   The audio is played RAW.
4) I have paid attention to give equal probabilities to the songs.
5) Then converted the array to play the songs .

Some snaps of My Music Player



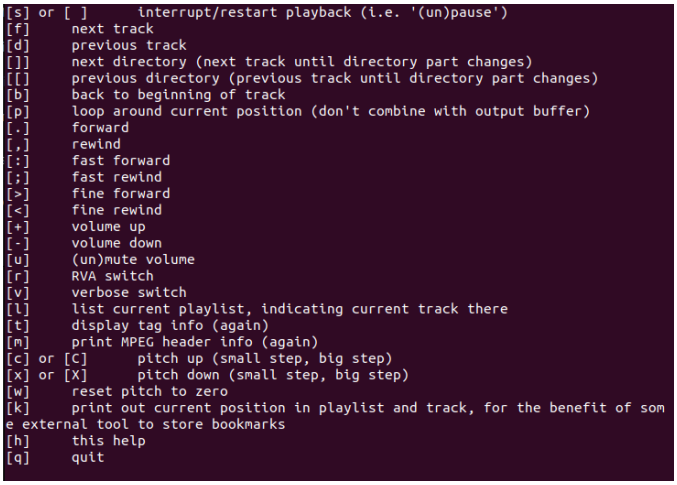


Fig. 1. This is how My music player looks normally