National University of Computer and Emerging Sciences



**Laboratory Manual**

***(Computer Programming)***

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| Section | A, B |
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**Lab Manual (4)**

**(Structures)**

**Instructions:**

This is an individual Lab. You are NOT allowed to work/submit in form of group. Absolutely NO collaboration is allowed. Any traces of cheating would result in an “F” grade in this Lab.’

Keep the following good programming practices in mind when writing your code:

**• Indent your code properly.**

**• Use meaningful variable names.**

**• Use meaningful prompt lines/labels for input/output.**

**Problem 1: *(Use SongList.txt for Input and Modification)***

Your task is to design a struct for Given Text File, Each Line in the file represents Version, Title, Artist and Duration separated by Comma.

After designing struct, make a complete Songs Library in which user can read, write and delete a record from list.

You have to perform all tasks by **functions** for each task.

**Note:**

User can delete any ith row pointed by Pointer.

***Remember:*** *Honesty always gives fruit (no matter how frightening is the consequence); and*

*Dishonesty is always harmful (no matter how helping it may seem in a certain situation)!*