Computer Engineering Department ,S.V.N.I.T. Surat.
B Tech (CO) –IInd Year   semester-III
Course: Data Structures CO203
Assignment-III

1. In a classroom of 100 students you have to divide students in 10 sub list of equal students.
    Perfrom the following operation.
    1. Insertation of marks.
    2. Deletion of marks.
    3. Updation of marks.
    4. Display marks
    5. Replace one sub list with other
    6. Compare two sub list
    7. Enter n^{th} element in j^{th} list

    Hint:
    Class You need to manage multiple list in one single dimensional list.
    Suppose I want to insert/update/delete/display a marks of roll no. 32, Which is in 3rd sub list, I will give input as 3 and then after on second input for searching inside sub array I will select 2. so, it can search student with 32.
    Perform Necessary Error Handling Conditions as well.

2. Write a program to generate sub matrices from the multidimensional matrix.
    Take any two sub matrices and perform the addition of two sub matrices.

    For example input Array is A[4][4] and B[2][2]
    Find the occurrence of B in A. The rows or columns in A are not required to be consecutive.