Date OF ASSIGNMENT 22/07/2024

DATE OF SUBMISSION 09/08/2024

Problem 2: Case Study of Array of Structures: Write a program which should be used to manage record of your class. The attributes of a record are as follows-

1. **Roll No ( As a primary key)**
2. **Students Name**
3. **Father’s Name**
4. **Mother’s Name**
5. **Class**
6. **Semester**
7. **Branch**
8. **Address**
   1. Home/House No
   2. Street Name
   3. City
   4. State
   5. Country

The program must contain the following methods/functions

1. Input/ add a record in the data list/data base/Data Array/Record Array
2. Delete a record from the data list/data base/Data Array/Record Array
3. Search a Record from the data list/data base/Data Array/Record Array
4. Display the records of all the students belong to particular city/State/Country
5. Generate report as per requirements

List of methods

1. User Interface
2. Input/Add a Record to data list
3. Delete a record from data list
4. Search based on
   * 1. City Name
     2. State Name
     3. Country Name
5. Generate Report as per the requirements