

MCA 2nd SEMESTER
203 : Programming in .Net
Practical Assignment – 4

- 1 Consider following database tables and create a MDI Application with Menu options to perform desired operations.
- a. Course(cours_id,course_name)
 - b. Class (class_id, course_id, class_name)
 - c. Student(ernollno, rollno, name, class, course, email, mobile, dob)

Do the following operations for student data

- 1. Student registration with course and class should be properly selected. [use suitable controls and on selection of course suitable class only should be available for selection.
- 2. Update facility for email id, mobile no and dob for a specific student.
- 3. Delete by name , but if multiple student have same names then ask for course and then perform delete.
- 4. List the students whose birth date is in specific year.

Note : Demonstrate the use of various controls suitable for the operations.

- 2 Consider following database tables and create a MDI Application with Menu options to perform desired operations
- a. Department(dno, name, location)
 - b. Employee (eno, dno , name, dob, designation, salary)

Provide facility to perform following operations,

- 1. Employee creation (department name should be selected from combo box)
- 2. Search list of employees from specific department.
- 3. Search list of employees with working at specific location.
- 4. Search the employees whose age is more than 40 years (use dob and today's date)
- 5. Give increment to employees with specific designation as per given percentage.

Note : Demonstrate the use of various controls suitable for the operations.

- 3 Consider the following database table and perform the operations using LINQ.
- Book (bid, title, subject, author, publisher, price, no_of_copies)
- 1. New book entry
 - 2. Search book list by subject.
 - 3. Display the top five books with lowest prices.
 - 4. Display the top five books with highest no of copies.