Dev Skill

Professional Programming with C#

LINQ Exercise (using Query Syntax and Method Syntax)

int[] marks = new int[] { 95, 93, 80, 90, 77 };
List<int> marks = new List<int>() { 95, 93, 80, 90, 77 };

1. Get All marks
2. Get all marks greater than equal 80
3. Get Sum of all marks
4. Get Sum of all marks where mark is greater than 70 and less than 90
5. Get Average of all marks where mark is greater than 70 and less than 90
6. Get Max of all marks where mark is greater than 70 and less than 90
7. Get Ordered all marks where mark is greater than 70 and less than 90

var names = new List<string>() { "Mashrafe","Tamim","Shakib", "Mushfique", "Mahmudulla" };

8. Get All names
9. Get All names where name starts with M
10. Get All names where name starts with m
11. Aggregate All Name with "," ordering by name

Create a class Student (Roll, Name) and Course (Code, Name and Fee). A Student can enroll on multiple course or one course. Create some object for each class.

12. Find Total student created.
13. Fine total course fee of all courses.
14. Find all course where Fee greater than 6000. And show course Course Info with studentlist
15. Find all course, only those course have students.
16. Find all course, only those course have no students.
17. Find all course, only those course have at least 2 student.
18. Find all course if a student have roll 101
19. Show All Student list of ASP.NET course
20. Show All Student list of ASP.NET course and C# course