LINQ

Objective: LINQ and Collections

Task: Use Linq to search the following collections.

Build Specifications:
Assume we have the following collections:
int[] nums = { 10, 2330, 112233, 10, 949, 3764, 2942 };

Make a Student class with the following properties:

    Name
    Age

 List<Student> students = new List<Student>();
        students.Add(new Student("Jimmy", 13));
        students.Add(new Student("Hannah Banana", 21));
        students.Add(new Student("Justin", 30));
        students.Add(new Student("Sarah", 53));
        students.Add(new Student("Hannibal", 15));
        students.Add(new Student("Phillip", 16));
        students.Add(new Student("Maria", 63));
        students.Add(new Student("Abe", 33));
        students.Add(new Student("Curtis", 10));

Answer the following questions:

For nums:

1. Find the Minimum value
2. Find the Maximum value
3. Find the Maximum value less than 10000
4. Find all the values between 10 and 100
5. Find all the Values between 100000 and 999999 inclusive
6. Count all the even numbers

For students:
1. Find all students age of 21 and over (aka US drinking age)
2. Find the oldest student
3. Find the youngest student
4. Find the oldest student under the age of 25
5. Find all students over 21 and with even ages
6. Find all teenage students (13 to 19 inclusive)

7. Find all students whose name starts with a vowel