# Practice Indexers

Create Teaching namespace that contains Student ,Student classes.

Student class have ID , Name fields .

Students class have:

1. Student array that can be initialized threw Students constructor.
2. Length read only field that holds the number of Student array items that initialized in the constructor.
3. Have int, string indexers that enables access to Student array items :
4. The int indexer get or set the item in the array by item index ,
5. The string indexer get or set the item in the array by item Name (Student name),
6. Has GetStudent method that gets a Student by name (if doesn't exists in the array returns null).

Use the following code to check your code:

using Teaching;

//

Students students = new Students(new Student[]{

    new Student(){ID=1234,Name="Moshe"},

    new Student(){ID=8557,Name="Danit"},

    new Student(){ID=5541,Name="Revi"},

    new Student(){ID=3266,Name="Joe"}

});

//

System.Console.WriteLine("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

System.Console.WriteLine("List of students:");

for (int i = 0; i < students.Length; i++)

{

    System.Console.WriteLine(students[i]);

}

//

System.Console.WriteLine("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

System.Console.WriteLine("Get by name:");

System.Console.WriteLine(students["Revi"]);

//

System.Console.WriteLine("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

System.Console.WriteLine("Get by index:");

System.Console.WriteLine(students[3]);