Practice Exercise 1
Date: 16 – 20/10/2010

**Topic:** Methods receiving and returning objects and main method

**Question:**

Knowing the class Student and the class Section in Chapter 1 slides:

1. Write a main class with a main method.
2. Create 2 objects from class Array-of-Students.
3. Create 2 Student objects.
4. Read their information through a Scanner.
5. Use a copy constructor to create a 3rd object.
6. Add the two Student objects (built in (3)) to the 1st Section.
7. Add the last Student object to the 2nd Section.
8. Add the 1st student in the 1st Section to the 2nd Section.
9. Print the content of the two objects Array-of-Student.

**Indications / Hints:**

1. In Class Section, build a method that gets the index in the Section and return the corresponding object, and use it:
   
   ```java
   Student GetStudent(int index);
   ```

2. Two ways to implement the Display of the Sections’contents:
   a. In the main, make loops on the section contents, get the Student objects, use the getters to get their data and print it.
   b. In Class Section, build a method `void display()`, that loop on the array content, get the students and use their getters to extract data and print it.

3. Consider that all necessary setters and getters of class Student and already defined:
   a. `String GetName();`
   b. `int GetAge();`
   c. `char GetGender();`