Day Two Assignments

1. Try all what we have learned in the lecture

2. Design and implement a structure for the employees in a company
3. Employee is identified by an ID, security level, salary, hire date and Gender.
4. Develop a Structure to represent the HiringDate Data Type consisting of fields to hold the day, month and Years.
5. We need to restrict the Gender field to be only M or F [Male of Female] (Use **Enum**.**Parse**)
6. Assign the security privileges to the employee in a form of byte Flag enum, security privileges are guest, Developer, secretary and DBA.
7. We want to provide the Employee structure with the standard capabilities to represent Employee data in a string Form (override ToString ()), display employee salary in a currency format. [ use String.Format Function , do you need additional using Directive ]
8. Create an array of Employees with size three a DBA, Guest and the third one is security officer who have full permissions, (Employee [] EmpArr;)
9. Implement All the Necessary Member Functions on the Structure (Getters, Setters)
10. Define all the Necessary Constructors for the Structure
11. Read ALL Data from End User
12. Allow NO RUNTIME errors if the user inputs any data
13. Implement Bubble Sort Algorithm for the employees based on their hire date
14. Print the sorted array.
15. While sorting (how many times Boxing and Unboxing process has occurred )
16. **Use the XML Comment, help on the meaning of every element, and generate the Help file.**