PRACTICAL TEST

Subject: Programming in C#
Duration: 60 minutes

Create an application in C# that can be used to manage the book list in real time by particular functions:

1. Adding new book.
2. Displaying all the details of books.
3. Search book by the title
4. Exit

Create a class name **Books** with the following variables: ..... **[10]**

1. A string variable named **type** that stores different kinds of book such as fiction or detective stories.
2. A string variable named **title** that stores the title of book.
3. An integer variable named **price** that store the price of book.
4. An integer variable named **edition** that store the edition of book.

This class has a constructor to accept the value of the variable such as type, title …

Final, create a main class named **BookStore**..... **[10]**
It declares the following variables:

1. An integer **nextBook**: the number of the actual book in the array.
2. A string **search**: keyword searching by title
3. An array **Books books[]**: store all books in array list

This class also implements the following methods:

1. **addBook()**: to add new book..... **[20]**
   a. Add a new book successfully ..... [+10]
   b. Validate space must be less than the limit of array of books and raise message: "**Unable to add book**" ..... [+10]
2. **displayBook()**: to display all the details of books..... **[20]**
   a. Display all details of book successfully..... [+10]
   b. Validate if there is no any book, raise the message: "**No book to display**"..... [+10]
3. **searchBook()**: to search book by title..... **[20]**
   a. Searching by title books successfully..... [+10]
   b. Validate if there is no any book title is the same as the keyword, raise the message: "**No book to display**"..... [+10]
4. **menu()**: to make a user interface to interact menu to use ..... **[20]**
   a. Display menu successfully ..... [+10]
   b. When the user selects an option the corresponding function must be called ..... [+10]

---- The end ----

Note: All the marks are evaluated in the main method