1. Create a class called “Book” which has variable Subject(String),Title (String),Publisher(String),year_of_publication(int).Write constructor to initialise the values .Write a method getBookTitle() which returns back a String.

   Create a class called “FacultyMember” with variables id(int),Name(String),Designation(String),Department(String),books(An array of object of class “Book”). Assume that “books” variable contains all the books borrowed by the FacultyMember from the University library where there is no maximum number.

   Overload method UpdateBooks()which when invoked with index(int),title(String) where index is the position of the book and title is the title of the new book which is replacing the book in the given index and returns back the old book. When the method is invoked with an index(int), replbook(Book) will replace the existing book at index value with replbook and returns back the old book. Also print the title of the book returned.

Create an object called facultymember for the class FacultyMember.

**Note the sequence to be followed**

- Create array of objects for Book ie create multiple objects of Book for array of object
- Create a single object of FacultyMember called facultymember.
- Print the title of the last object in array of object (Book)
- Accept the index number
- Accept a string
- Call UpdateBooks() with index(int),title(String) variables which replaces the title of the object at the given index with the variable being passed to the method and print the title of the Book which got modified
- Accept another string for title
- Call UpdateBooks() with variables index(int), replbook(Book) [use the index earlier accepted] and print the title of earlier existing object.