GEDIZUNIVERSITY

izmir

Faculty of Engineering and Architecture

Computer Engineering Department

COM 101 – INTRODUCTION TO PROGRAMMING

LAB Assignment #10

A- Examples

Structures are used to represent records. Let's assume that we want to keep track of books in our private libraries and keep track of **title**, **author**, and **category** attributes.

1- Accessing Structure Members by ". "operator

Write a C program that creates Book record by using struct, fill it with meaningful information and prints the record by reaching record elements by using "." operator.

2- Structures As Function Parameters

Modify Question1 by adding a print function that takes Book struct as a parameter and prints the elements of that struct passed.

3- Declaring a structure variable as global

Modify Question2 by making Book struct as global variable

4- Pointers to Structures

Rewrite the Question2 by using pointers to structures.

5- Array of Structures
Write a C program that holds collection of some book and then prints the list of books.
Hint : You can reuse the codes developed for the questions above.

B- Exercise

Modify your Book structure by adding a **book id** so that you can search for a book according to this id. If it is found, then prints the book information. Otherwise, send a message as "There is no book that has this id in your library."