

COM 101 – INTRODUCTION TO PROGRAMMING

Homework #5

Academic Year : Fall 2015-2016

Due Date : January 05, 2016 hr. 5pm (Thursday)

Course Instructor : Inst. Gökhan Akyol

Course Assistants : Res.Asst. Arzum Karataş & Res. Asst. Feyza Galip

A cosmetic shop needs a computer program to track their customer's birthdate to send a small gift or discount ticket for some cosmetic products. Each customer has a *customer id*, *name*, *surname* and *birthdate* information. A birthdate is a structure that contains *day*, *month* and *year* information.

The program supports the following operations via a user interaction menu:

- list all customers
- list all customers that has a specific birthdate and how many people they are.
- list customers for name and surname information
- exit

You are asked to implement customer birthday tracker software that performs the operations above in C.

Note that you need to consider accepting appropriate date values and how to represent customer and birthday structures and use the functions to divide the problem into meaningful subparts.

Hint : Let's assume that the shop has 10 customers just for the sake of simplicity

P.S.:

1. You are required to work alone. Teamwork is NOT allowed. Copy detection will be done and it is punished strictly.
2. In your codes, you are expected to use good programming practices like naming conventions, indentations and comments. They will be graded, too.
3. Put your homework projects into a zipped folder(.zip or .rar are accepted). Do NOT send separate zip file for each question. Use the following convention for this folder.
COM101_Hmw5_StudentName.zip
Ex: COM101_Hmw5_AliceBlack.zip
4. You should submit your homework to **gedizcom101lab@gmail.com**
5. Late submissions will be graded by using the formula $100 - 10*d^2$ where d is the number of late submission days.