GEDIZ UNIVERSITY

izmir

Faculty of Engineering and Architecture

Computer Engineering Department

COM 101 – INTRODUCTION TO PROGRAMMING

LAB Assignment #1

Academic Year :   Fall 2015-2016
Date :   October 9, 2015
Course Instructor : Inst. Gökhan Akyol
Course Assistants : Res.Asst. Arzum Karataş & Res. Asst. Feyza Galip

A. Examples

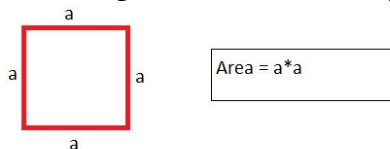### 1- Addition of numbers by prompting user

Write a C program that takes three integers from user, then finds and prints out their sum. Use **good programming practices** when constructing the program.

2- Make a Sound by Code

Write a C program that makes a sound like 'bip bip bip ... bip bip' by using a specific escape character. Use **good programming practices** when constructing the program.

3- Calculate Area of a Square

Write a C Code that calculates the area of square and run it by using both IDE and gcc compiler. Note that the length of a side of the square is given by the user.
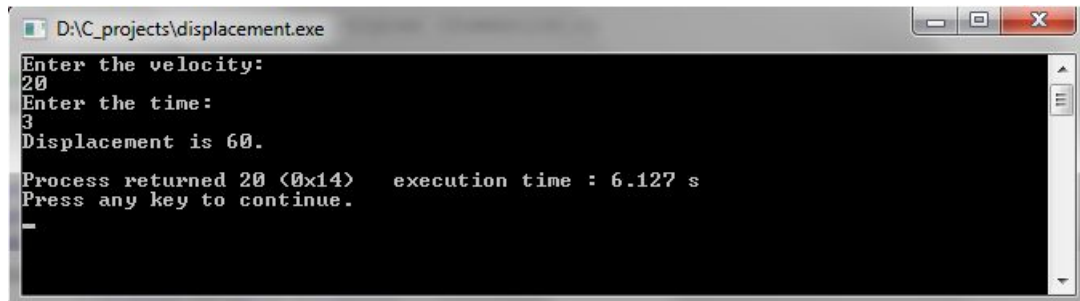

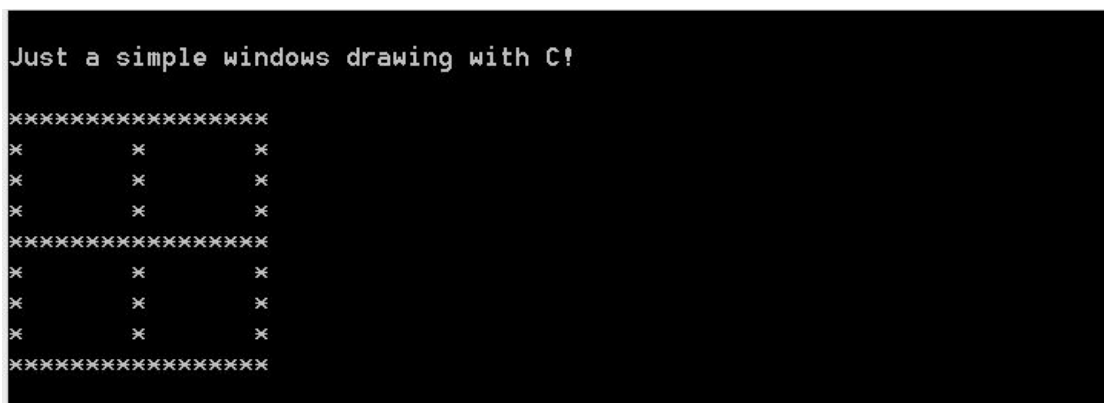The sample output is seen in the figure just below.

B- Exercises

1- Write a C program that calculates the number of kilometers a car when travelling with a velocity (the velocity and travelling time is specified by the user). Assume that the velocity of the car(km/h) is constant during the motion and the time is in hours. Run the code by using both IDE and gcc compiler .

```
D:\C_projects\displacement.exe                                    _  □  X

Enter the velocity:
20
Enter the time:
3
Displacement is 60.

Process returned 20 (0x14)    execution time : 6.127 s
Press any key to continue.
```

2- Write a C program that produces the following output. You are expected to use some escape characters.

```
Just a simple windows drawing with C!

*******************
*        *        *
*        *        *
*        *        *
*******************
*        *        *
*        *        *
*        *        *
*******************
```