# GEDIZUNIVERSITY <br> izmir <br> Faculty of Engineering and Architecture <br> Computer Engineering Department 

## COM 101 - INTRODUCTION TO PROGRAMMING

## LAB Assignment <br> \#3

Academic Year : Fall 2015-2016
Date : October 23, 2015
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## A- Example

Write a C program that compares two numbers specified by the user, and prints out the comparison result.

## B- Exercises

Note that when you doing exercise questions, you are expected to use good programming practices you learn up to that time.

1- Write C program that has the same functionality with the following C code. However, you are supposed to use another conditional instead of using if-else statements.

```
#include <stdio.h>
#include <stdlib.h>
/*
    * This program calculates letter of grades.
    * Author: Feyza Galip
    * Date: 22/10/2015
    */
int main()
{
    if(grade >= 90)
            puts( "A" );
        else if (grade >= 80)
            puts( "B" );
```

```
        else if (grade >= 70)
        puts( "C" );
        else if (grade >= 60)
        puts( "D" );
        else
        puts( "F" );
}
```

2- Write a functional calculator that does some simple arithmetic operation such as addition, subtraction, division and multiplication, and evaluates some mathematical functions such as taking logarithm, square root and a power of a number.
Note that you have to ask for the operators(+, -, * and / ) or functions I,s,^^ (logarithm, square root and power of a number, respectively) from the user. Also, you have to send the user meaningful messages when you obtaining the numbers and operators.


