# GEDIZUNIVERSITY 

izmir
Faculty of Engineering and Architecture
Computer Engineering Department

## COM 101 - INTRODUCTION TO PROGRAMMING <br> LAB Assignment \#6

Academic Year : Fall 2015-2016
Date : November 27, 2015
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## A- Examples

1- Combination means way of selecting a things or particular item from the group or sets. The general formula is below

$$
C(n, r)=\frac{n!}{r!(n-r)!}
$$

Write a C program that calculates combinations whose parameters n and k are specified by user. You are supposed to use functions.
Note that $\mathrm{n}, \mathrm{k}$ are integers $\& \mathrm{n} \geq \mathrm{k}$

## B- Exercise

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

1- Modify the program written as example above so that it can produce the triangle below. Note that line number specified by user.

```
This program produces pascal triangle
Please enter line number : 5
    1
    11
    121
13 31
14641
```

2- Modify Exercise-1 so that line number is produced randomly.

