

Faculty of Engineering and Architecture

Computer Engineering Department

COM 101 – INTRODUCTION TO PROGRAMMING

LAB Assignment #6

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Course Instructor: Inst. Gökhan Akyol
Course Assistants: Res.Asst. Arzum Karataş & Res. Asst. Feyza Galip

A- Examples

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

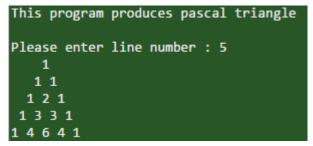
$$C(n,r) = \frac{n!}{r!(n-r)!}$$

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

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.



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