

## CSE 115L: Programming Language I Lab (Section: 06)

Spring 2020

Lab Week-06 (Nested Loop cont.)

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### Tasks:

1. Write a program that finds the LCM of two numbers.
2. Write a function **combination(int,int)** to compute combination using the following formula:

$${}^n C_r = \frac{n!}{r! (n - r)!}$$

both n and r are integer inputs here. (n>=r)

**Hints:** You'll need another function named Factorial(int) to simplify this problem.

$n! = 1*2*3*.....*n$

**Sample Input:**

Enter values of n and r: 6 4

**Sample Output:**

Combination: 15

### Assignment 3:

1. Write a program which prints all prime numbers between two numbers (entered by the user) using a loop and by making a user-defined function **int checkPrimeNumber(int n)**.

The **checkPrimeNumber** function **returns 1** if the number passed is a prime number. A prime number is a positive integer which is divisible only by 1 and itself. For example: 2, 3, 5, 7, 11, 13.