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Find nCr

Easy

Accuracy: 56.13%

Submissions: 9K+

Points: 2

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You are given two numbers n and r. You need to find nCr.
nCr = (n!) / ((n-r)!*(r!))
In recursive way, we can write nCr as nCr = (n-1)C(r-1) + (n-1)Cr

Example 1:
Input:
n = 5, r = 2
Output: 10

Example 2:
Input:
n = 4, r = 1
Output: 4

Your Task:
You are required to complete the function nCr which takes two integers n and r as input and returns the value of nCr.

Python3

Average Time: 15m

Start Timer

1 #User function Template for python3
2
3 def nCr(n,r):
4 #code here
5 if n==r or r==0:
6 return 1
7 else:
8 return nCr(n-1,r-1)+nCr(n-1,r)
9
10
11
12 # } Driver Code Ends

Custom Input

Compile & Run

Submit