Week 4: Programming Assignment 1 - Factorial

Write a program that takes a number as input and prints its factorial as output

n=int(input())

fact=1

for i in range(1,n+1):

fact=fact\*i

print(fact,end="")

# Week 4: Programming Assignment 2 - Multiples

l=[int (x) for x in input().split()]

count=0

m=len(l)

for i in range(0,m):

if (l[i]%3==0 & l[i]%5==0):

count=count+1

elif (l[i]%5==0):

count=count+1

print(count,end="")

# Week 4: Programming Assignment 3 - Arrangements

import math

n = input().split()

ans = math.factorial(len(n))//(math.factorial(n.count("1"))\*math.factorial(n.count("0")))

print(ans,end="")