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[NPTEL \(https://swayam.gov.in/explorer?ncCode=NPTEL\)](https://swayam.gov.in/explorer?ncCode=NPTEL) » [The Joy of Computing using Python \(course\)](#)
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Course outline

How does an NPTEL online course work?

Week 0

Week 1

Week 2

Week 3

week 4

- Practice is the key (unit? unit=59&lesson=60)
- Magic Square: Hit and Trial 01 (unit? unit=59&lesson=61)
- Magic Square: Hit and Trial 02 (unit? unit=59&lesson=62)
- Magic Square: Hit and Trial 03

Programming Assignment-2: Factorial

Due on 2020-02-27, 23:59 IST

Given an integer number n , you have to print the factorial of this number. To know about factorial please click on this link (<https://www.mathsisfun.com/numbers/factorial.html>).

Input Format:

A number n .

Output Format:

Print the factorial of n .

Example:

Input:

4

Output:

24

Sample Test Cases

Input	Output
8	40320
7	5040
10	3628800

(unit? unit=59&lesson=63)	Test Case 4	5	120
<input checked="" type="radio"/> Magic Square: Hit and Trial 04 (unit? unit=59&lesson=64)	Test Case 5	4	24
<input checked="" type="radio"/> Magic Square: Hit and Trial 05 (unit? unit=59&lesson=65)	Test Case 6	6	720

The due date for submitting this assignment has passed.
As per our records you have not submitted this assignment.
Sample solutions (Provided by instructor)

- Let's program and play (unit?
unit=59&lesson=66)
- Dobble Game - Spot the similarity 01 (unit?
unit=59&lesson=67)
- Dobble Game - Spot the similarity 02 (unit?
unit=59&lesson=68)
- Dobble Game - Spot the similarity 03 (unit?
unit=59&lesson=69)
- Dobble Game - Spot the similarity 04 (unit?
unit=59&lesson=70)
- What is your date of birth? (unit?
unit=59&lesson=71)
- Birthday Paradox - Find your twin 01 (unit?
unit=59&lesson=72)
- Birthday Paradox - Find your twin 02 (unit?
unit=59&lesson=73)
- Birthday Paradox - Find your twin 03 (unit?
unit=59&lesson=74)

```

1 k = int(input())
2
3 fac = 1
4 for i in range(1,k+1):
5     if(k==0):
6         break
7     fac=fac*i
8
9 print( fac)

```

- Birthday Paradox - Find your twin 04 (unit? unit=59&lesson=75)
- Birthday Paradox - Find your twin 05 (unit? unit=59&lesson=76)
- What's your favourite movie? (unit? unit=59&lesson=77)
- Guess the Movie Name 01 (unit? unit=59&lesson=78)
- Guess the Movie Name 02 (unit? unit=59&lesson=79)
- Guess the Movie Name 03 (unit? unit=59&lesson=80)
- Guess the Movie Name 04 (unit? unit=59&lesson=81)
- Guess the Movie Name 05 (unit? unit=59&lesson=82)
- Guess the Movie Name 06 (unit? unit=59&lesson=83)
- Quiz : Assignment 4 (assessment? name=263)
- Programming Assignment-1: Digits (/noc20_cs35/progassignment? name=280)
- Programming Assignment-2: Factorial (/noc20_cs35/progassignment? name=281)**

Programming
Assignment-3:
Matrix
(/noc20_cs35/progassignment?
name=282)

Week 4
Feedback
(unit?
unit=59&lesson=283)

Week 5

Week 6

Week 7

Week 8

Week 9

Week 10

Week 11

Week 12

Text Transcripts

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