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NPTEL (https://swayam.gov.in/explorer?ncCode=NPTEL) » The Joy of Computing using Python (course)

skhiearth@gmail.com ˅

Course outline

How does an NPTEL online course work?

Week 1

Week 2

Week 3

week 4

○ Practice is the key (unit?unit=78&lesson=79)

○ Magic Square: Hit and Trial 01 (unit?unit=78&lesson=80)

○ Magic Square: Hit and Trial 02 (unit?unit=78&lesson=81)

○ Magic Square: Hit and Trial 03 (unit?unit=78&lesson=82)

○ Magic Square: Hit and Trial 04 (unit?unit=78&lesson=83)

○ Magic Square: Hit and Trial 05 (unit?unit=78&lesson=84)

○ Let's program and play (unit?unit=78&lesson=85)

○ Dobble Game - Spot the similarity 01 (unit?unit=78&lesson=86)

○ Dobble Game - Spot the similarity 02 (unit?unit=78&lesson=87)

○ Dobble Game - Spot the similarity 03 (unit?unit=78&lesson=88)

○ Dobble Game - Spot the similarity 04 (unit?unit=78&lesson=89)

○ What is your date of birth? (unit?unit=78&lesson=90)

○ Birthday Paradox - Find your twin 01 (unit?unit=78&lesson=91)

○ Birthday Paradox - Find your twin 02 (unit?unit=78&lesson=92)

○ Birthday Paradox - Find your twin 03 (unit?unit=78&lesson=93)

○ Birthday Paradox - Find your twin 04 (unit?unit=78&lesson=94)

○ Birthday Paradox - Find your twin 05 (unit?unit=78&lesson=95)

○ What's your favourite movie? (unit?unit=78&lesson=96)

○ Guess the Movie Name 01 (unit?unit=78&lesson=97)

○ Guess the Movie Name 02 (unit?unit=78&lesson=98)

Programming Assignment - 2: Large Numbers

Due on 2020-10-15, 23:59 IST

Python can easily handle large numbers. You can store a huge number easily in python.
In this program, you have to calculate the Factorial of a number.
Given a number **k** its factorial is i.e. **k! = 1x2x3x4x....xk.**
For example, if **k = 4, 4! = 1x2x3x4 = 24**
Read more about Factorial here (https://www.mathsisfun.com/numbers/factorial.html)

Given an input **k**, you have to print the factorial of **k**.

Input format:
The number **k** in a single line

Output Format:
k! in a single line

Example:

Input:
5

Output:
120

Explanation:
Here **k** is **5**, hence **5!** is **1x2x3x4x5** which is equal to **120**.

Select the Language for this assignment. [Python3 ˅]

```
1  import math
2  num = input()
3  print(math.factorial(int(num)))
```

You may submit any number of times before the due date. The final submission will be considered for grading.
This assignment has Public Test cases. Please click on "Compile & Run" button to see the status of Public test cases. Assignment will be evaluated only after submitting using Submit button below. If you only save as or compile and run the Program , your assignment will not be graded and you will not see your score after the deadline.

| Save as Draft | Compile & Run | Submit | Reset |

Compilation : Passed

Public Test Cases: 3 / 3 Passed

Note: These tests may not be considered while scoring. Know more.

Public Test Cases	Input	Expected Output	Actual Output	Status
Test Case 1	6	720	720\n	Passed after ignoring Presentation Error
Test Case 2	8	40320	40320\n	Passed after ignoring Presentation Error
Test Case 3	9	362880	362880\n	Passed after ignoring Presentation Error

Text Transcripts

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