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**

<table>
<thead>
<tr>
<th>Test Case</th>
<th>Input</th>
<th>Output</th>
</tr>
</thead>
<tbody>
<tr>
<td>Test Case 1</td>
<td>8</td>
<td>40320</td>
</tr>
<tr>
<td>Test Case 2</td>
<td>7</td>
<td>5040</td>
</tr>
<tr>
<td>Test Case 3</td>
<td>10</td>
<td>3628800</td>
</tr>
</tbody>
</table>
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Test Case 4

Test Case 5

Test Case 6

The due date for submitting this assignment has passed. As per our records you have not submitted this assignment.

Sample solutions (Provided by instructor)

Test Case 4

Test Case 5

Test Case 6

Sample solutions (Provided by instructor)

```python
# Program to calculate the factorial of a number
k = int(input())
fac = 1
for i in range(1, k+1):
    if(k==0):
        break
    fac = fac * i
print(fac)
```

Test Case 4

Test Case 5

Test Case 6

Sample solutions (Provided by instructor)

```python
# Program to calculate the factorial of a number
k = int(input())
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print(fac)
```

Test Case 4

Test Case 5

Test Case 6

Sample solutions (Provided by instructor)
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)