P6. Write a program to compute a value of factorial. The program asks a user for n, calculate factorial of n, and report the factorial value. Note that n! = n * (n-1) * ... * 3 * 2 * 1, that is,

$$n! = \prod_{i=1}^n i.$$

Example 1:	
n:1	
1 ! = 1	
n:3	
3 ! = 6	
n:5	
5 ! = 120	
Note 0 = 1	
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