## Factorial Formula [Microsoft Python Interview Question]

Given a number n, write a formula that returns n!.

In case you forgot the factorial formula, n!=n\*(n-1)\*(n-2)\*.....2\*1 n!=n\*(n-1)\*(n-2)\*.....2\*1.

For example, 5!=5\*4\*3\*2\*1=120 5!=5\*4\*3\*2\*1=120 so we'd return 120.

Assume is n is a non-negative integer.

p.s. if this problem seems too trivial, try the follow-up Microsoft interview problem <u>Factorial Trailing</u> <u>Zeroes</u>