Recursive factorial

**Input:** Integer int

**Output:** Integer int representing the factorial of its original value

**Base case:** int is 1

**Assumptions:** int is greater than 0.

**Algorithm:**

1. function factorial(int):
   1. // base case
   2. if int = 1:
      1. return res
   3. end if
   4. // recursive case
   5. return int \* factorial(int – 1)