**Console Apps Solutions Ltd.**

Detailed Function Specification

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| Name of Function:  **evalulate\_factorial** |
| Brief Description (Purpose of Function):  **To calculate the factorial of the whole number provided** |
| Inputs to the Function:  **number\_in** |
| Outputs from the Function:  **number\_in**  **factorial** |
| Algorithm / PseudoEnglish statements:  (a detailed description of the actions required to fulfil the role of this function)  **Calculate the factorial of number\_in, where**  **factorial = number\_in!**  **is the** [**product**](http://en.wikipedia.org/wiki/Product_(mathematics)) **of all positive integers less than or equal to number\_in**  **e.g.**  **The factorial of 5 (represented mathematically as 5!) is calculated by multiplying 5 by 4 then by 3, then by 2 and finally by 1**  **5! = 5\*4\*3\*2\*1**  **= 120**    **Therefore**  **6! =6\*5!**  **= 720**  **Store the factorial calculated** |
| Author: **HNC Computing** Date: **1o/11/201?** |