Assignment 4

Part 1 : 25 pts

Ask the user to input an integer N and use a while loop to calculate N!

Example
            Input: 4
            Output: 24

Part 2 : 25 pts

Ask the user to do input 2 strings and then interleave the two strings together character by character. If one string is longer than the other then simply concatenate the remainder of the string to the end once you have interleaved everything you can from the shorter string.

Example:
            Input str 1: hello
            Input str 2: world
            Output: hweolrllod

Part 3 : 25 pts

Ask the user to input a number and tell them if it is even or odd

Example:
            Input: 3
            Output: '3 is an odd number'

Part 4 : 25 points

Ask the user to input a string and then output the hex code for that string. This time you may use the ord and hex functions build into python, but the string may be any length.

Example:
            Input: 'hello'
            Output: 68656c6c6f