Pseudo Code - Repetition

Practice Questions

Problem List

1. Finding the sum of 10 numbers taken from the user.
2. Finding the sum of *n* numbers taken from the user, where *n* is taken from the user as well.
3. Calculate the factorial of a positive integer entered by the user.
4. Take two positive integers *a* and *n* from the user. Calculate and display a^n. Assume that the power operator is not available.
5. Take three numbers from the user and determine the largest number. Do it using a loop.
6. Take a positive integer from the user. Keep displaying an error message and prompting for input again and again if the user enters invalid input (negative or zero).
7. Write an algorithm to determine the sum of a variable number of positive integers taken from the user. The algorithm should keep prompting the user for more input till the user enters the sentinel value -999.
8. Input a 2-digit number and find absolute difference between its digits.
9. Input an integer (upto 4 digits), and stores its reverse in another variable. Then display both integers.
10. Input numbers till user inputs a zero, and, at the end, display last non-zero number
11. Input numbers till user inputs a zero, and display the largest number
12. Input numbers till user inputs a zero, and display the smallest number
    - Check if it works for all +ve inputs
    - Now check algorithm # 55 (largest number) if it works for all -ve inputs
    - If you find any problem, then solve it
13. Input 10 numbers, and display smallest number
14. Input 10 numbers, and display count of Even and Odd numbers, separately, at the end.
15. Input SLimit and ELimit from user, and display Even numbers between range, with both limits included
    - Give an efficient solution that does not check divisibility of each number in the given range

☺ ☺ ☺ **BEST OF LUCK** ☺ ☺ ☺