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

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