

1. Write an algorithm that asks the user to enter two numbers: the lower and upper limits of a sequence. Compute the sum and average of all numbers between these two limits using a loop.
2. Write an algorithm that checks two given integers and returns true if at least one of them is 30 or if their sum is 30. In other words, if either of the two integers is 30 or if their sum equals 30, the program will return true.
3. Write pseudo code that performs the following: Ask a user to enter a number. If the number is between 0 and 10, write the word blue. If the number is between 10 and 20, write the word red. if the number is between 20 and 30, write the word green. If it is any other number, write that it is not a correct color option.
4. Write an algorithm to compute the sum of the two input values. If the two values are the same, then return triple their sum
5. Write an algorithm to display the multiplication table for a given integer.

Test Data: 15

Expected Output :

15 X 1 = 15

15 X 2 = 30

...

...

15 X 10 = 150

6. Write an algorithm that prints numbers from 1 to N (N is input by the user), if the number is divisible by three print "Fizz", if the number is divisible by five print "Buzz", if the number is divisible by both 3 and 5, print "FizzBuzz", else print the number.

Test Data: 22

Expected Output:

1, 2, Fizz, 4, Buzz, Fizz, 7, 8, Fizz, Buzz, 11, Fizz, 13, 14, FizzBuzz, 16, 17, Fizz, 19, Buzz, Fizz, 22.