Prelim - Programming Exercise No. 4

Write a program that prompts the user to input and then outputs both the individual digits of the number and the sum of the digits. For example, the program should output the individual digits of 3456 as 3 4 5 6 and the sum as 18, output the individual digits of 8030 as 8 0 3 0 and the sum as 11, output the individual digits of  2345526 as 2 3 4 5 5 2 6 and the sum as 27, output the individual digits of 4000 as 4 0 0 0 and the sum as 4, and output the individual digits of -2345 as 2 3 4 5 and the sum as 14.