#include <stdio.h>

int sumOfDigits(int num) {

int sum = 0;

while (num != 0) {

sum += num % 10; // Add the last digit to sum

num /= 10; // Remove the last digit from the number

}

return sum;

}

int main() {

int num;

printf("Enter a non-negative integer: ");

scanf("%d", &num);

if (num < 0) {

printf("Please enter a non-negative integer.\n");

return 1;

}

int result = sumOfDigits(num);

// Display the result

printf("The sum of the digits of %d is: %d\n", num, result);

return 0;

}