#include <iostream>

using namespace std;

int main() {

//Declare variable for input and sum

int num, sum=0;

//Asks user for integer

cout << "Enter a number: ";

cin >> num;

//loop for adding each number

while(num != 0){

sum += num % 10;

num /= 10;

}

//Shows the sum

cout << "Sum of digits: " << sum << endl;

}