Alternative Number

A number is known to have an alter ego, which is the sum of its digits. Example, the number 513 will have 9 since it is the sum of its digits 5 + 1 + 3.

Given a number as an integer, output the sum of its digits.

Sample Output 1

Enter num: 513

Sum = 9

#include <stdio.h>

int main()

{

int num, sum = 0;

printf("Enter num: ");

scanf("%d", &num);

while (num != 0) {

sum += num % 10;

num /= 10;

}

printf("Sum = %d\n", sum);

return 0;

}