```c
1  #include<stdio.h>
2   int main()
3  {
4  int n,sum=0,m;
5  printf("Enter a number:");
6  scanf("%d",&n);
7  while(n>0)
8  {
9  m=n%10;
10 sum=sum+m;
11 n=n/10;
12 }
13 printf("Sum is=%d",sum);
14 return 0;
15 }
```

14:1   ⟳

Open File   ✓ Custom Input   **Run**

Custom Input

20

Status Successfully executed   Date 2020-05-30 14:49:03   Time 0 sec   Mem 9.424 kB   ✖

Input

20

Output

Enter a number:Sum is=2

• Program to find Sum of digits of a number.

Algorithm

Step 1: Input n

Step 2: Sum = 0

Step 3:   while (n>0)

            m = n % 10;

            Sum = Sum + m;

            n = n/10;

        Step 4:   print Sum,

Flow chart

```
           ( start )
               │
               ▼
          ┌─────────┐
          │ Sum = 0 │
          └─────────┘
               │
               ▼
          ╱ read n ╱
               │
               ▼
            ╱ n>0 ╲────── False
            ╲    ╱
               │
             True
               ▼
          ┌─────────┐
          │ m = n%10│
          └─────────┘
               │
               ▼
          ┌─────────┐
          │ Sum = Sum+│
          │       m   │
          └─────────┘
               │
               ▼
          ┌─────────┐
          │ n = n/10│
          └─────────┘
               │
               ▼
          ╱ Print Sum ╱
               │
               ▼
           ( stop )
```