

# Code, Compile & Run

Ide

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Sum of digit of number

Select

C (gcc 6.3)

Code gets autosaved every second

```
1 #include<stdio.h>
2 int main()
3 {
4     int n,sum=0,m;
5     printf("Enter a number:\n");
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 }
16
17
```

8:5

Open File

✓ Custom Input

Run

Custom Input

470

Status Successfully executed

Date 2020-05-30 12:19:15

Time 0 sec

Mem 9.424 kB

Input

470

Output

Enter a number:  
Sum is=11

## Program to find sum of digits of a number

### Algorithm

1. start
2. Initialize sum = 0
3. Read the value of n
4. while ( $n > 0$ ) // if ( $n > 0$ ) condition becomes false, goto step 6
  - 4.1  $m = n \% 10$
  - 4.2  $Sum = Sum + m$
  - 4.3  $n = n \div 10$
5. repeat the steps until the condition becomes false
6. Print "the sum of the digits"
7. Return 0
8. stop.

## Flowchart :

