Code, Compile & Run

Ide   ✖   +

Contest Code/Name (e.g. JULY15/PRACTICE)	Problem Code/Name (e.g. TEST)	Select

C (gcc 6.3) ▼   💾   🗑   Code gets autosaved every second   ℹ   ⬇   ⤢   ⚙

```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  }
16
17
```

0:0   ↻

Open File		✓Custom Input	Run

Custom Input
490

Status	Successfully executed	Date	2020-05-30 12:15:35	Time	0 sec	Mem	9.424 kB	✖

Input
490

Output
Enter a number:Sum is=13

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Program to find sum of digits of a numbers

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 ÷ 10

5. repeat the steps until the condition becomes false

6. Print " the sum of the digits "

7. return 0

8. stop

Flowchart:

```
                    ( start )
                        |
                        v
              +-------------------+
              |    Inidialize     |
              |    Sum = 0        |
              +-------------------+
                        |
                        v
             /--------------------/
            /  Read the Value    /
           /      of  n         /
          /--------------------/
                        |
                        v
        <------< while   h > 0 >------->
        |           |                  |
        |           v                  v
        |   +-----------------+   /----------------/
        |   |  m = h % 10     |  / Print the  sum /
        +---|  Sume sum + h   | / of  the digits /
            |  n = n ÷ 10     |/----------------/
            +-----------------+       |
                        |             |
                        v             |
                    ( stop )<---------+
```