


```
1 #include<stdio.h>
2 void main()
3 {
4     int n,temp,sum=0;
5     printf("Enter the digit :");
6     scanf("%d",&n);
7     while(n>0)
8     {
9         temp= n%10;
10        sum=sum+temp;
11        n=n/10;
12    }
13    printf("sum of number :%d",sum);
14 }
```



Compile Result

Enter the digit :122

sum of number :5

[Process completed (code 16) - press
Enter]

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. $temp = n \% 10;$
 - 4.2. $sum = sum + temp;$
 - 4.3. $n = n / 10$
5. Repeat the steps until the condition becomes false
6. Print the sum of the digits
7. Stop.

