


# Coding C

RUN

MENU

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```
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 :420

sum of number :6

[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.

## Flowchart:

