

**Write a program in C to find the sum of digits of a number using recursion**

Your Input and Output should look similar to this

**Input** Input number: 1234 **Output** Sum of digits: 10

**PROGRAM AND OUTPUT:**

```
7  *****/
8  #include <stdio.h>
9  int sum(int n) {
10     if(n!=0)
11         return (n%10 + sum(n/10));
12     else
13         return 0;
14 }
15 int main()
16 {
17     int n;
18     printf("Enter a number - ");
19     scanf("%d",&n);
20     printf("Sum of the digits of %d is: %d",n,sum(n));
21     return 0;
22 }
23
24
```

input

```
Enter a number - 1234
Sum of the digits of 1234 is: 10

...Program finished with exit code 0
Press ENTER to exit console.
```