

digitSum.c

```
1  #include <stdio.h>
2
3  int main(){
4
5      int n, sum = 0;
6      printf("Enter a number: ");
7      scanf("%d", &n);
8
9
10     while(n != 0){
11         sum = sum + (n % 10); // Add the last digit to sum
12         n = n / 10;          // Remove the last digit
13     }
14
15
16     // using for loop
17     /*
18     for(; n != 0; n /= 10){
19         sum += n % 10;
20     }
21     */
22
23     printf("Sum of digits: %d\n", sum);
24     return 0;
25 }
```