

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 }
```