Ganavi 2002

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Program to find sum of digits of a number

Algorithm

1. Start   ~~Star~~
2. Initialize sum=0
3. Read the value of n
4. t = n
5. while (t!=0), if (t!=0) condition becomes false goto step 7
6.   5.1   remainder = t%10
      5.2   sum = sum+ remainder
      5.3   t = t/10.
6. Repeat the step5 until the condition becomes false
7. Print "The sum of the digits."
8. ~~Stop~~ Return 0
9. stop

Flowchart

Start

↓

Initialize
sum=0

↓

Read the value
of n

↓

t=n

↓

while (n!=0)

↓ true

remainder = t%1
sum = sum+remainder
t = t/10

Print the sum
of the digits

↓

stop