Program to find sum of number of string

Algorithm

step1 : Start
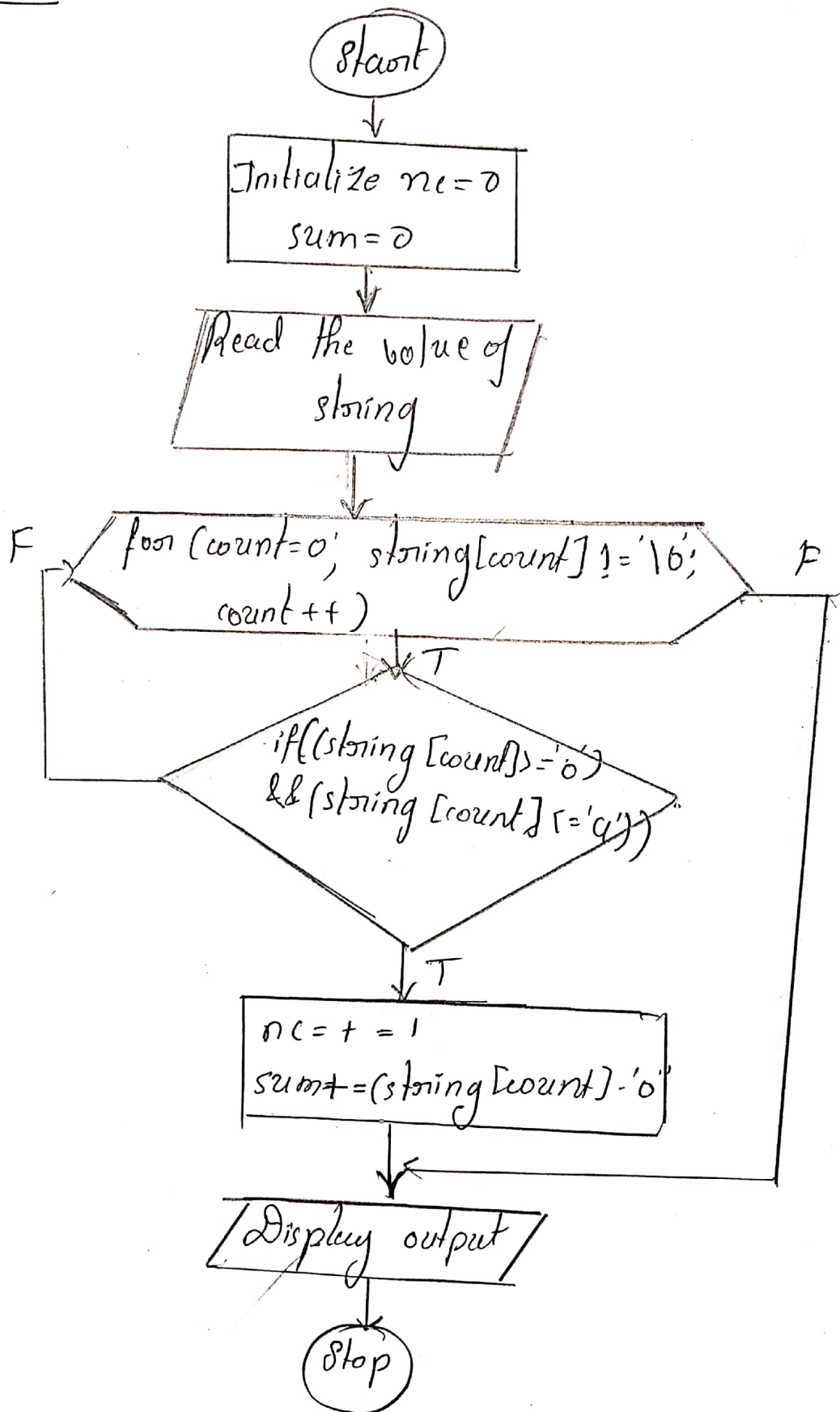
Step 2 : initialize nc = 0 and sum = 0

step 3 : ~~Display~~ Read string

step 4 : for (count = 0 ; string [count] ! = '\0'; count++) if this
condition becomes false goto step 5

4.1 if ((string [count] >= '0') && (string [count] <= '9'))
if this becomes false goto step 4

4.1.1 nc += 1

4.1.2 sum += (string [count] - '0')

step 5 : ~~Sum~~ Display the output

step 6 : Stop

Flowchart

Start

Initialize $nc = 0$
$sum = 0$

Read the value of string

F ← for (count=0; string[count] != '\0'; count++) → F

T

if((string [count] >= '0')
&& (string [count] <= '9'))

T

$nc = t = 1$
$sum += (string[count] - '0')$

Display output

Stop

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Code, Compile & Run

Ide ✖ +

Ganavi|

PRACTICE - Practice Section

Problem Code/Name (e.g. TEST)

Select

C (gcc 6.3) ▾ 💾 🗑 Code gets autosaved every second ⓘ ⬇ ⤢ ⚙

```
1   #include <stdio.h>
2   void main()
3   {
4       char string[80];
5       int count, nc = 0, sum = 0;
6
7       printf("Enter the string containing both digits and alphabet \n");
8       scanf("%s", string);
9       for (count = 0; string[count] != '\0'; count++)
10      {
11          if ((string[count] >= '0') && (string[count] <= '9'))
12          {
13              nc += 1;
14              sum += (string[count] - '0');
15          }
16      }
17      printf("NO. of Digits in the string = %d\n", nc);
18      printf("Sum of all digits = %d\n", sum);
19  }
20
21
```

18:1 ⟳

Open File ✓ Custom Input **Run**

Custom Input

m16n95|

Status **Runtime error** Date **2020-06-20 12:32:53** Time **0 sec** Mem **9.424 kB** ✖

Input

m16n95

Output

Enter the string containing both digits and alphabet
NO. of Digits in the string = 4
Sum of all digits = 21