

```
15
16 int Method2(int number)
17 {
18     int result=0;
19     while (number!=0)
20     {
21         result+=number%10;
22         number/=10;
23     }
24     return result;
25 }
26 int main()
27 {
28     char arr[100];
29     int number=0;
30     printf("Please enter the number : ");
31     fflush(stdout);fflush(stdin);
32     gets(arr);
33     number=atoi(arr);
34     printf("Method 1 results : %d\n",Method1(arr,strlen(arr)));
35     fflush(stdout);fflush(stdin);
36     printf("Method 2 results : %d\n",Method2(number));
37     return 0;

```

<terminated> (exit value: 0) MidTerm.exe [C/C++ Application] C:\Users\HP\workspace\MidTerm\Debug\MidTerm.exe (01/07/2020 12:34:12)
Please enter the number : 123
Method 1 results : 6
Method 2 results : 6

MidTerm.c

```
3 #include<string.h>
4 #include<stdlib.h>
5 int Method1(char arr[],int size)
6 {
7     int i=0;
8     int number=0;
9     for(;i<size;i++)
10    {
11        number+=arr[i]-'0';
12    }
13    return number;
14 }
15
16 int Method2(int number)
17 {
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19     while (number!=0)
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22         number/=10;
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24     return result;
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Problems Tasks Properties Debugger Console Console

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Problems Tasks Properties Debugger Console Console

<terminated> (exit value: 0) MidTerm.exe [C/C++ Application] C:\Users\HP\workspace\MidTerm\Debug\MidTerm.exe (01/0

Please enter the number : 4565

Method 1 results : 20

Method 2 results : 20