

# Algorithm

Step 1: Input N

Step 2: Sum = 0

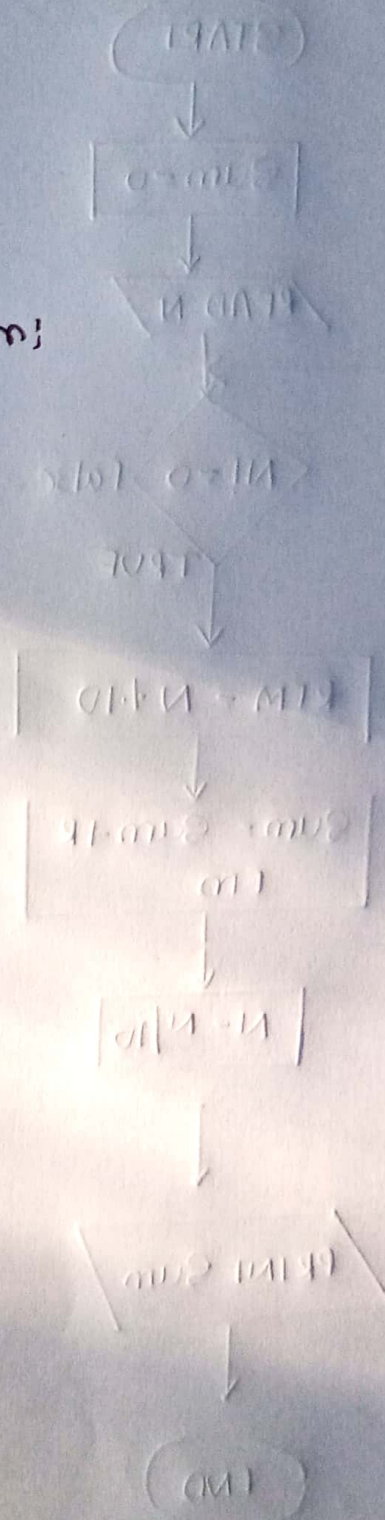
Step 3: while (N != 0)

Rem = N % 10

Sum = Sum + Rem

N = N / 10

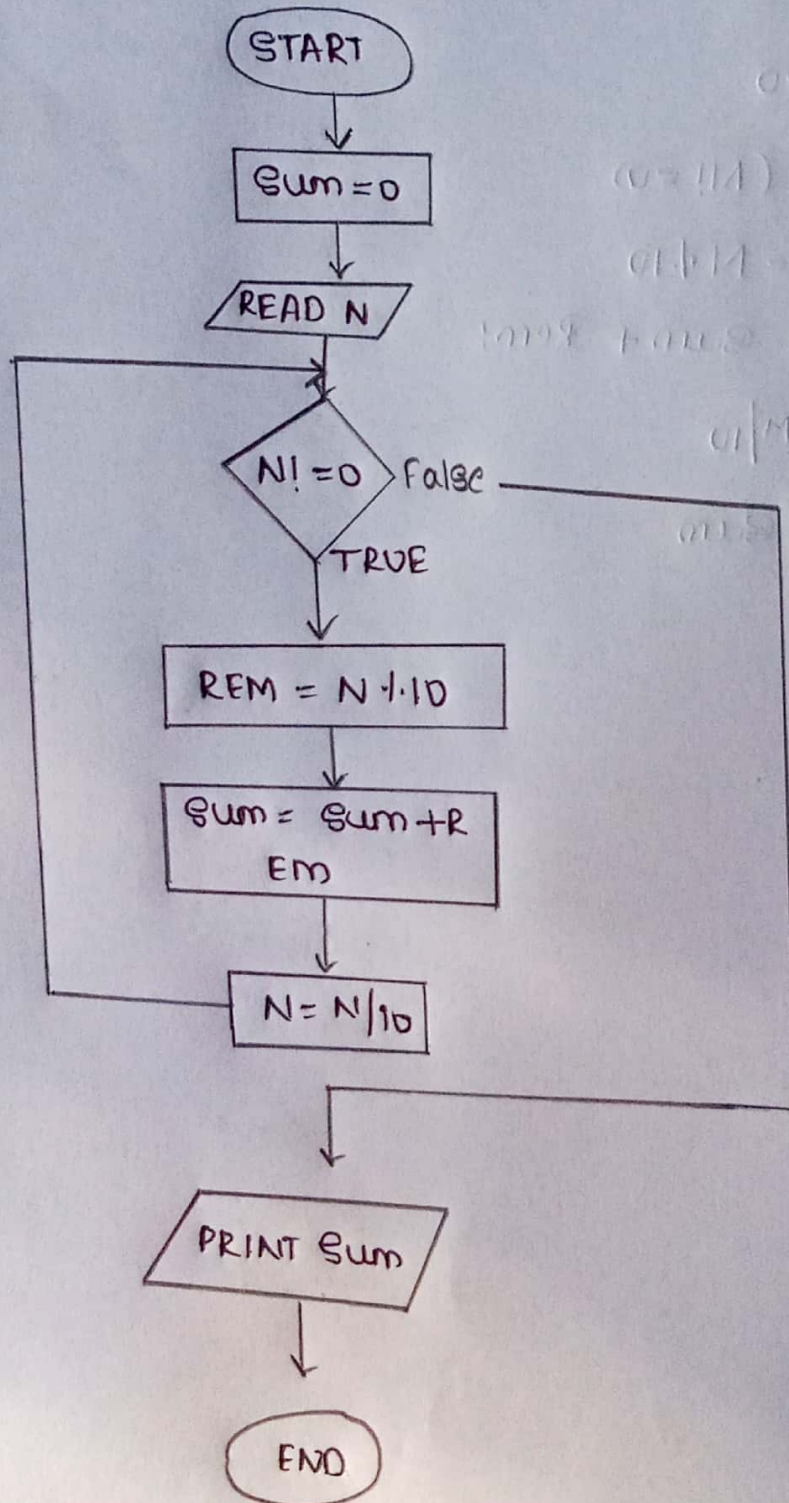
Step 4: print Sum





Flowchart :-

USN: 4AL19CS062



```
#include<stdio.h>
int main()
{
    int num,sum=0,r;
    printf("enter a number:");
    scanf("%d",&num);
    while(num)
    {
        r=num%10;
        num=num/10;
        sum=sum+r;
    }
    printf("sum of digits of number;%d",sum);
    return 0;
}
```

```
#include<stdio.h>
int main()
{
    int num,sum=0,r;
    printf("enter a number:");
    scanf("%d",&num);
```

## INPUT

If your program needs any run time inputs, please add it here.  
Use new lines for more than one input.

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Show Always



Save Input

CANCEL

RUN

enter a number:sum of digits of  
number;10