Algorithm :

Step 1 : Input number

Step 2 : Sum = 0

Step 3 : while $(n \neq 0)$
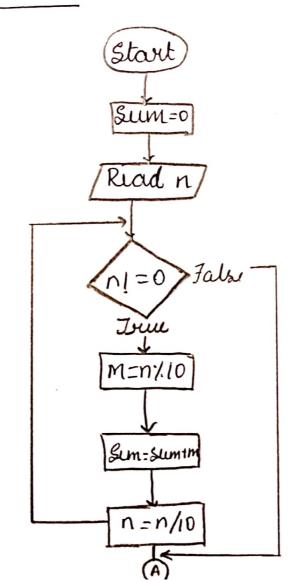
$$m = n \% 10;$$
$$Sum = Sum + m$$
$$n = n/10$$

Step 4 : Print sum.

Flow chart :

```
        ( Start )
           |
       [ Sum = 0 ]
           |
       / Read n /
           |
           v
        < n != 0 >  --False-->
           |
         True
           |
       [ M = n%10 ]
           |
       [ Sum = Sum+m ]
           |
       [ n = n/10 ]
           |
          (A)
```

(A)

Print
SUM

Encl