[Shaji Ram Prakash Balasubramaniyan](mailto:shaji.balasubramaniyan@relevantz.com)

Write an algorithm and draw a flowchart to calculate the sum of each individual digit of a given positive integer value.

Ex : 823=> 8+2+3 =>13

**ALGORITHM :**

Step1 : Start.

Step2 : Declare a variable number, remainder and sum.

Step3 : Initialize the variable sum as 0.

Step4 : Read the value of the number from the user.

Step5 : If the number is not equal to 0 then, goto step6.Else goto step 10.

Step6 : Get the remainder of the number and store the result into the remainder.

Step7 : Add the remainder value with sum and store the result into sum.

Step8 : Divide the number value by 10 and store the result into numbers.

Step9 : Repeat the Step6 to Step8 until the number becomes 0.

Step10 : Display the sum.

Step11 : Stop.

**FLOWCHART :** 