**18-07-23-Day-18**

**Q2:** 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:**

**Step:1** Start

**Step:2** Declare a variable num, sum & rem

**Step:3** Initialize sum as zero

**Step:4** Read the value num and store it in user

**Step:5** Check If num is greater than equal to 0. Then go to Step 6. Else go to Step 10.

**Step:6** Get the Remainder of num and store remainder in rem

**Step:7** Add rem and sum and store the values in sum

**Step:8** Divide the num by 10 and store the value in num.

**Step:9** Repeat Step 6 & 8 until num become 0

**Step:10** Display the Sum

**Step:11** Stop9+

**Flowchart:**

