**2)Write an algorithm and draw a flowchart to calculate the sum of each individual digit of a given positive integer value.(143=1+4+3=8)**

***ALGORITHM:***

**Step-1:**Start.

**Step-2:**Declare variable num,sum,rem.

**Step-3:**Initialize sum equal to zero.

**Step-4:**Read the num value.

**Step-5:**Get the remainder of the num by modulo operation.

**Step-6:**Add the remainder of the num to the sum.

**Step-7:**Divide the num by 10 and store it in num..

**Step-8:**Repeat from step-5 until the num equal to zero.

**Step-9:**Display the sum.

**Step-9:**Stop.

***FLOWCHART:***

