**Q1.Write an algorithm and draw a flowchart to calculate the sum and average of three given numbers.**

**Algorithm:**

**Step:1** Start.

**Step:2** Declare variables a,b,c,sum,average.

**Step:3** Get three values from the user and store them in a,b and c.

**Step:4** Add a,b and c and store that value in sum.

**Step:5** Divide sum by 3 and store it in the variable average.

**Step:6** Display sum and average.

**Step:7** Stop

**Flowchart:**

**Q2.Write an algorithm and draw the flowchart to calculate the sum of each individual digit of a given positive integer value.**

**Algorithm:**

**Step:1**.Start.

**Step:2** Declare a variable called num,remainder,sum.

**Step:3** Initialize sum as zero.

**Step:4** Get a value from the user and store it in the num variable.

**Step:5** Check whether the num is greater than zero.if not go to **Step:10.**

**Step:6** Get the remainder of the num and store it in the remainder variable.

**Step:7** Add sum and remainder and store it in the sum variable.

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

**Step:9** Repeat the process from **Step:5** until the num variable becomes zero.

**Step:10** Now display the sum.

**Step:11** Stop.



**Flowchart:**