Day 18:

**Algorithm and flowchart to calculate the sum of each individual digit of a given positive integer value.**

**Algorithm:**

**Step 1:** Start

**Step 2:** Declare the variable num, sum and digit.

**Step 3:** Read the input for num from the user.

**Step 4:** Initialize the sum as 0.

**Step 5:** Check whether the num is greater than 0 using a while loop. If the condition fails goto step 10.

**Step 6:** Find the remainder of num using modulo operator, it gives the last number of num. Store the result in digit.

**Step 7:** Add the digit to the sum.

**Step 8:** Divide the num by 10, it will remove the last digit.

**Step 9:** Repeat the above steps 5 to 8, until num becomes 0.

**Step 10:** Display the sum.

**Step 11:** Stop.

**Flowchart:**