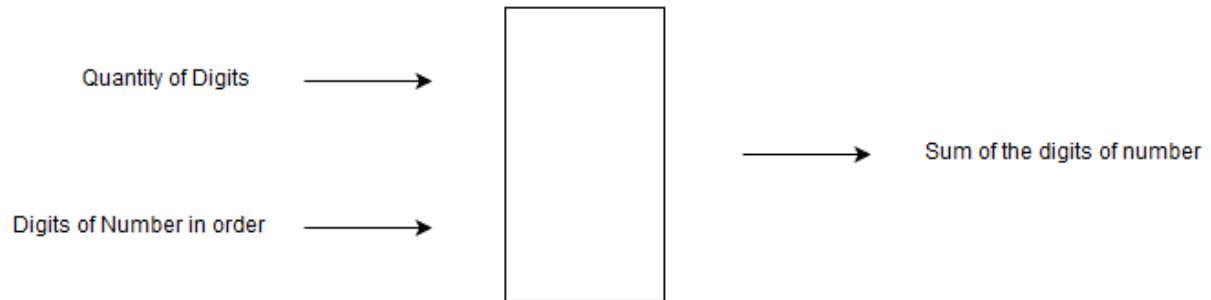


Stating the Problem

Calculating the sum of digits of the number entered.

Input / Output Description



Hand Example

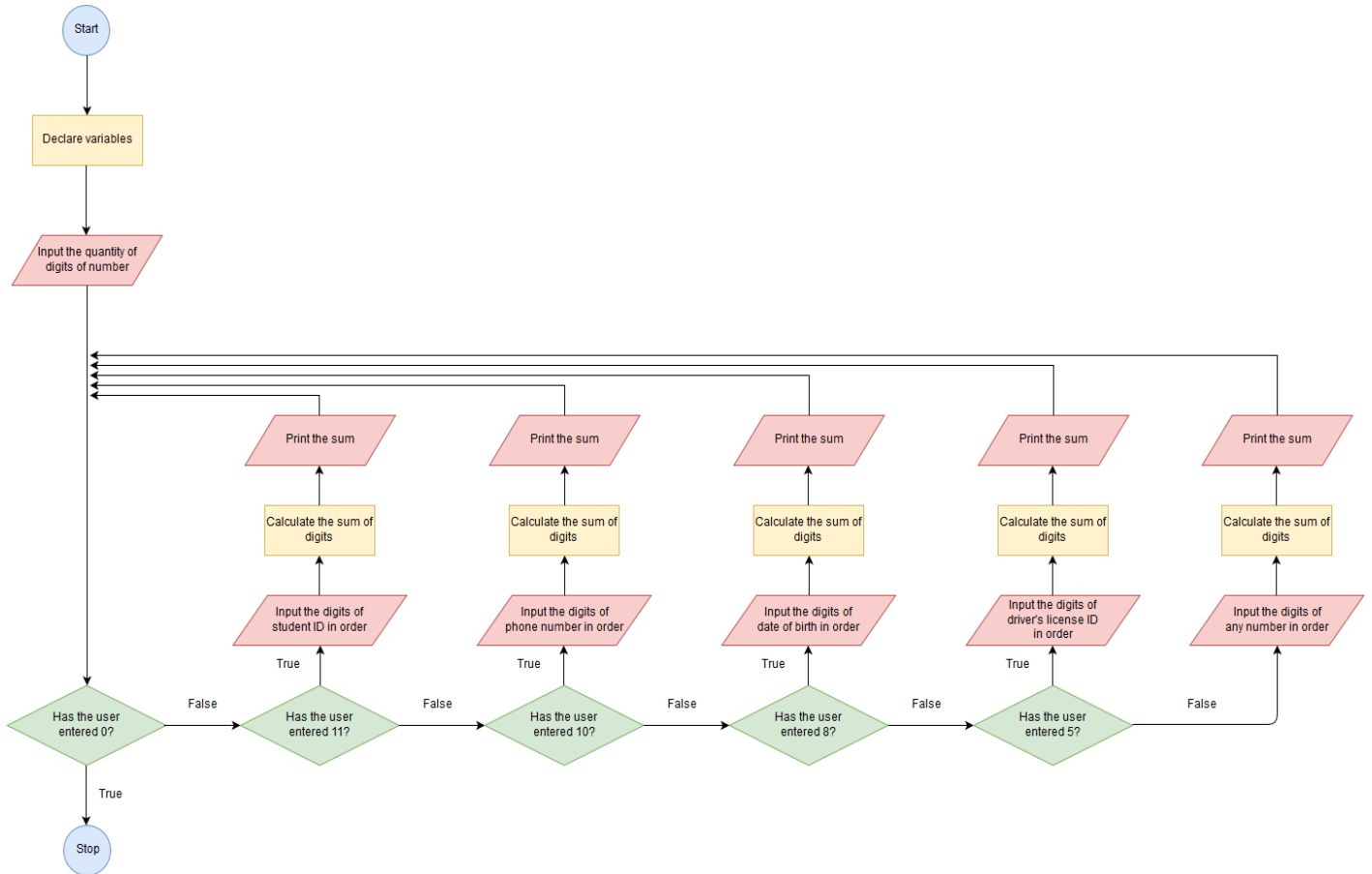
Number Entered: 16050111005

**Sum of the Digits: $1 + 6 + 0 + 5 + 0 + 1 + 1 + 1 + 0 + 0 + 5$
 $= 20$**

Algorithm Development

1. Define variables for digits, digit numbers, sum of digits, number orders and loop counter.
2. Start a loop for calculations.
3. Ask the number's digit quantity from the user. If the number entered is zero, go to Step 7.
4. Ask the number's digits in order from the user.
5. Calculate and print the sum of entered digits.
6. Get back to Step 3.
7. Terminate the program.

Flowchart



Console Example

```
Welcome to the SumFinder. The program will compute the sum of the
digits of number entered by user.

Now there are some special quantities of digits in numbers which are;

11:      Student ID
10:      Phone Number
8:       Date of Birth (Example: 11051998)
5:       Driver's License Number
Else:    Any Number

Enter the quantity of digits in your number, press '0' to terminate:    11

Enter the 1. digit of your student ID:  1
Enter the 2. digit of your student ID:  6
Enter the 3. digit of your student ID:  0
Enter the 4. digit of your student ID:  5
Enter the 5. digit of your student ID:  0
Enter the 6. digit of your student ID:  1
Enter the 7. digit of your student ID:  1
Enter the 8. digit of your student ID:  1
Enter the 9. digit of your student ID:  0
Enter the 10. digit of your student ID:  0
Enter the 11. digit of your student ID:  5

Sum of the digits of your student ID: 20

Enter the quantity of digits in your number, press '0' to terminate:    10

Enter the 1. digit of your phone number:  5
Enter the 2. digit of your phone number:  4
Enter the 3. digit of your phone number:  5
Enter the 4. digit of your phone number:  7
Enter the 5. digit of your phone number:  1
Enter the 6. digit of your phone number:  3
Enter the 7. digit of your phone number:  7
Enter the 8. digit of your phone number:  5
Enter the 9. digit of your phone number:  4
Enter the 10. digit of your phone number:  0

Sum of the digits of your phone number: 41

Enter the quantity of digits in your number, press '0' to terminate:    0

Thanks for running!
-----
Process exited after 44.49 seconds with return value 0
Devam etmek için bir tuşa basın . . . _
```