**Problem 8: Digit Sum**

**IPO**

| Input | Process | Output |
|---|---|---|
| A Number. | Store the number as an N<br>While (N > 0) DO<br>      Last digit = N % 10<br>      Sum = Sum + last digit<br>      N = N / 10<br>      END WHILE<br>Print the Sum | The sum of the digits of that Number. |

**PSEUDOCODE**
Start
// Input
      N (an integer)
// Process
      Initialize sum = 0
      While (N > 0) do
            last digit = N % 10
            sum = sum + last digit
            N = N / 10
      End while
// Output
      Print "sum"
End