

Date: _____

Problem #8 : * IPO chart :

→ Input
Number.

→ Process

• ~~input~~ While $\text{num} > 0$ do
 • $\text{sum} = \text{sum} + (\text{num} \% 10)$
 $\text{num} = \text{num} / 10$;
 end while
 • Print sum

→ Output

Sum of
 • digits of a number.

* Pseudocode :

Start

$\text{sum} = 0$

$\text{num} = \text{int}$

Input num

While $\text{num} > 0$

$\text{sum} = \text{sum} + (\text{num} \% 10)$

$\text{num} = \text{num} / 10$

Endwhile

Print "Sum is:" , sum

End

* Flowchart :