Assignment 9 Design anoisand stop to not property
UML Diagrams
- Perform C Parateion
- TURES in a pre-choused sering inpue.
Tot Made
Int Node was how many one to have the many expressed
Int Node
THE I'VE ON DIMPORAL EN OFFICIAL IS IN SIMULTED THE
- data: Int
- nextNode: * In+Node
This officers or efercial the approxime is performed
ON MUST Introde() LANGE CONDITION ON BO
t ~ IneNode ()
+ Int Node (data: int)
friend class one is
Stack
Stack Shimpoto Todo 1840 -
(V-11. 42 SVIOV To tail is Int/Vode of many of summing of
m size of stack: int
CIT CONTROLL OF THE
+ Stacker
+ ~ Stack()
+ Push (value: int): void + Popo: int
TOPCI. THE
Polish notation Polish Notation
10001/100000/
-operands: * stack
+ Operator Determine (OP: Char, Operand One: int, operand Two: int)
t Polish Notation () Gint
taPolish Notation ()
+ Perform Operation (injut: string): int

Explanation of core Functions

- Perform Operation

-> TUNES in a pre-cheured string input.

Sturts from the end of the input and scens to the beginning of the input.

If it detects an operand the operand is pushed to the stack.

If it detects an operator the operation is performed on two valves, popped off the stack and the result is then pushed onto the stack.

The final result is then popped off the Steect.

- Operator Determine

+ Operator betermine coll shar, operations; into operand Two sharp

on two input integers and returns the result of the operation.

90PD inc

VOPPHARMAN LAND

	Testing
	reduced
	Test the following cases on my program
	Tese one votating sous on my program.
	- empty input
	- Input containing no operators or operands, such as text
	- Input containing different varietys of valid input,
	Such as
	* - 567
	+ 76
	+ 6 7
	7 3
	* 3 7
	/ 3 7
	173
	- 8*67
	And more complex operations such as,
- 1	- * / 15 - 7 + 1 1 3 + 2 + 1 l
	-Input with incorrect number of operators.
	- Infut With incorrect number of Operands.
	<u> </u>
*	