Using Stacks to Evaluate Postfix Expressions

The algorithm:

```
Scan input from left to right
   if (input is a number)
      push it onto the stack
   else if (input is an operator)
      obtain 2 numbers from, and pop them off, the stack
      peform the operation (NOTE: 2nd number obtained must
                                  be made the left operand)
      push the result onto the stack
   else
      do nothing (simply discard input)
The stack now contains the desired result
```

E.g.: Use a stack to evaluate **`5 3 2 * + 4 - 5 +`**

(NOTE: In the following, the stack has the ***top to the right***.)

Symbol	Stack	Remarks
5	5	
3	5 3	
2	5 3 2	
*	5 6	3 * 2 = 6
+	11	5 + 6 = 11
4	11 4	
-	7	11 - 4 = 7
5	7 5	
+	12	7 + 5 = 12
		Answer: 12