

Postfix expression evaluation :

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1) Start scanning the postfix expression from left to right

Postfix exp : $7\ 8\ *\ 9\ /\ 6\ *\ 4\ +\ 5\ 3\ *\ -\ 2\ -$

2) If current element is an operand

Push it onto the stack

Current element :

Else

If current element is an operator

- Pop two elements (operands) from the stack.
- 1st popped element will be 2nd operand : op2
- 2nd popped element will be 1st operand : op1
- Perform cur element operation between op1 and op2

Op1 :

Op2 :

Result : =

Result = op1 opr op2

- Push back result onto the stack

Result = 23

3) Repeat the above steps till end of postfix exp

4) Pop final result from the stack.

Stack
