

Prefix Evaluation

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- 1) Start scanning the prefix expression from right to left
- 2) If current element is an operand

Prefix exp : ++59*4-8/62\$1-73

Push it onto the stack

Else

If current element is an operator

Current element :

Stack

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

Op1 : -6
Op2 : 1
Result : = -5

- 3) Repeat the above steps till end of prefix exp.
- 4) Pop final result from the stack.

Result =