

Applications of stack

stack is used to convert given infix expression to prefix or post fix notations.

Stack is used to evaluate prefix or post fix form of expressions.

Infix , post fix and prefix forms of notations.

Arithmetic expressions can be expressed in the different forms. The infix form of expressions is written in c program. However compiler can not solved them in same in same forms. Usually compiler converts this expression in prefix of post fix form , the machine level code generated by compiler use the algorithm of solving prefix or in fix forms.

Expression form	representation	description
infix	$a + b$	here the operator is in between the operand.
post fix	$ab +$	here the operator follows operands.
prefix	$+ ab$	here the operator prefix the operands.

Example

infix to post fix conversions