

- 1) start scanning from left to right
- 2) If(current element is an operand)
Append it to the postfix expression
- 3) Else if (current element is opening bracket '(')
Push it onto the stack
- 4) Else if current element is closing bracket ')'
 - Pop elements from the stack and append them to postfix exp till its corresponding opening brackets does not occur
 - Pop opening brackets from the stack and discard both the brackets

Infix expression :
 $5+9-4*(8-6/2)+1*(7-3)$

stack

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| |

Current element : +

Postfix expression:
 $59+4862/-*-173-5+$

Else

```
// If(current element is an operator)
While(stack is not empty && priority of
topmost element >= priority of current element)
{
    Pop element from the stack and append it to
    postfix expression
}
Push current element onto the stack.
```

- 5) Repeat the above steps till end of infix expression
- 6) Pop all the remaining elements from the stack one by one and append them to postfix expression

$a+b*c/e+d$