**ALGORITHM TO CONVERT INFIX TO POSTFIX.**

Suppose given Infix expression:

x\*y-a/b

Step 1: Paranthesize the expression.

( (x\*y) - (a/b) )

Step 2: Convert the brackets first to postfix.

( [xy\*] - [ab/] )

Step 3: Once all brackets are postfixed, start to convert the expression to postfix according to their precedence.

( [xy\*][ab/]- )

Thus, the final expression that we get is:

=> xy\*ab/-

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Let us take some more examples:

a. Infix: x+y+z-a\*b

=> Postfix = x+y+z-(a\*b)

= x+y+z-[ab\*]

= x+y+(z-[ab\*])

= x+y+[zab\*-]

= [xy+]+[zab\*-]

= xy+zab\*-+

b. Infix: x/y\*z

=> Postfix = (x/y)\*z //Here, '/' & '\*' have same precedence, so we solve it in a left to right convention.

= [xy/]\*z

= xy/z\*