Page No. YOUVA Date NAME : RAMYA RAMESH USN: 1RM19CHO38 labs: Infix to Postfix infix anthmetic expression to postfix expression and the binary operators + (plus), - (minus), \* (multiply) and / (divide) Tolixto Postfix (exp) for i = 0 to length (exp) - 1 it exp[i] is operand res < res + exp[i] elseif exp[i] is operator
while (!Sempty() & HasHigherPre (S. top()) nes & des + s.top() & S. Pop() S. push (exp[i]) else if Icopening Farentheres (exp[i]) Spush (exp[i])
else if Is closing Panentheses (exp[i]) (S. top (S)) nes = nes + stop()

YOUVA & Pop() while (! Sempty ()) Tetron ous Algoothin 1) Push" (" onto Stack and add")" to the end of X a) Scorn X from left to right and repeat Step 3 to 6 too each element of X until Stack is empty. 3> If an operand is encountered, add it to Y 4) IP a left parenthesis is encountered, puch it 5) If an operator is encountered then: (i) Repeatedly pop from Stack and add, I each operator (on top of stack) which has the same precedence as a higher precedence than operator (ii) Add operator to Stack 6) I a right proventhesis is encountered then: I Repeatedly pop from Stack and add to Y each operator (on the top of Stack) until a left proventieris is enconferred [End of IF [End of If 7) End