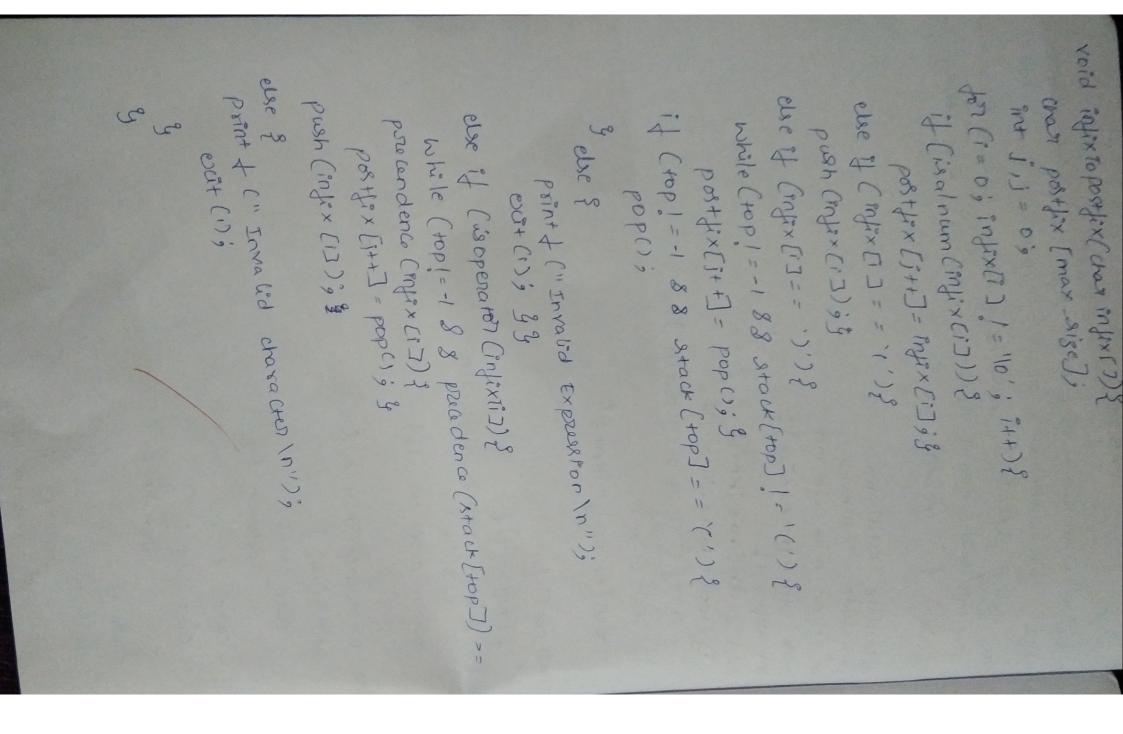
```
O will a program to convert a given valled parenthe
 - eiged infix anothmetic expression to postix expression.
the falled Expression consists of Single character operands of the operand operands + [plus], - (minus), * Multiply,
(divide) & " (Power)
  xinclude estdions
 & include = Stallbons
 & define max size 100
 char stack [max_size];
 Tot 400 = -1%
 void push (crar item) &
   if Ctop== max. size - Df
       print ("stack overflow \n");
       exi+ (1); 3
    Stack[++ top] = Tem; 9
char pop () ,
    if (top == -1) {
      printf ("stack undergloss (n");
    survey atapk Ttop- ]; 4
     precedence (charch) &
     Switch (ch) }
        case 'N' :
              returen 3 ;
       case '*';
       case 1/ :
                seturn 2;
       (99° +' :
        Case - 1:
               setwon 1;
        default: return -1; & 2
```



```
while Ctop1 = -1) }
   if (Stack Ctop) = = 1(1) }
     Printy (" Invalid Expression ");
      00°+(1);
    Postfix (i++] = pop(); 3
   postfix [ ] = "10";
   pointf(" Postjiv Exprusion: 1.5\n", postjix);
3
 int main () }
    chan injix [ max - size ] ;
   Printy (" Enter a injex expression:");
   Sont ("%5", infix);
   infixto postfix (infix);
    deturn 0;
  pupper:
Enres a valid parenthe sized enfix anthmetic
expression: (A+B) + (C+D)
Postfix Engrasion: AB+CD++
```