void Pufforts Postfor (than Puffor[], chan postfor[]) The expression consists of stude character operands j'=0; choos c: behavy operators (+,-, \*, for( 1=0; infix[i] !='\0'; 1++) # define MAX 10 c= Puffs([]; char stack[MAX]; of ( isalnum 60) fut top=-1; postfix G++ J=C; vold push (choic) else if ( c== '(') push (C) topty : else of (c==1)... Stark [top3 = C; while ( peck() != ' (' postfox (int) =ppp(); chax popl) else Put a = Stack [top]: while (40p=-1 & l/(precedence(peeks))precedence(s)) top -- ; returna: [precedence(peck()) == precedence(c)) & & associatility (1)==0)) chas peek() pushes, postfixli+== popl); retorn stackstop]: while (top! = -1) Int precedence (char op) postfix[j++]=pople); postfeelj = 10: switch (op) case 1+1. Detwon! Ind main () case 111. returnz: chas futer that, postfor [MAX]; case 11. return 3: Enforto Postfox (Infloc, postfox); case! (': returno; popul postfix. Put associativity (char op) return 1; 11 'n' return O;

to convert pasanthesized fullse to postfise expression.

```
fut precedence (char op)
# include < stdo. h7
# include actype-h7
                                                               Switch (op)
 # Include < storing.h7
#defene MAX 10
                                                                   case 11-1.
 chow stack[MAX];
 Put top=-1;
 Vold push (charc)
   . If (top == MAX-1)
         printf ("stack overfloom");
      .top++.
       Stack[top] : C;
    84 (top==-1)
       points (" stack underflow in!"
        return 10%
    else
       .printf ("removed douta = 1/. c\n", stack [top]);
        chas a = Stack[top];
        top--;
        return a;
ehas peekl)
    ff (+op == -1)
    & printf ("stack underflow (");
       return 10';
    else
       return Stack[top];
```

```
Case 1 *1.
       couse 1/1:
            octume.
            return3; Chan
       Couse 1 c'.
             returno:
                        10/10
   setusn -1;
Int associativety (char op)
    while Cop== 11)
          return 1; 118-1
    returno; Mil-r
word finffice to Pastfesic Char Puffiel I, char postfoil I)
  Put j=0;
  chare:
   for Chiti=0; Infacli] := 1101; i++)
        c = fufic [i];
        of (feature 10)
            postfx[]++]=Cg
        else of Cc==105
           push (c);
        else ef ( C== 15')
        3 while (peek()!='I')
                   postfix[j++]=pop();
            pop(); 11 peck() =1()
```

setosul.

else while (top!=-1801 LL precedence (peekl)) > psecedence(c) 11 (precedence(peek()) = = poecedonce(c) && associativity (U==0)) postfex[j++] = pop(); push(c); 11 others while (top!=1) // popall data postfise Ej++ ] = popl); postfoclj) = 101; int maln () chas fuffex [MAX], postfex [MAX]; point ("enter the fuffic expression! in"); Scanf ("%s", fuffse); infloc To Postfix (Infloc, postfix); pollut ("postfise expression: 15 m", postfise return o, Output. enter the lufex expression: (a+b)\*c removed data = + removed data = ( removed data = \* postfise expression: abtex

o p dem