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Lab-3
Write a program to convert a given valid parenthesized infix withmetic expression to postfix expression. The expression consists of find the expression to postfix expression.
 of single character operands and the binary operators + ; -, * , /.
 # include < stdio.h>
 # include < String.h>
 int F(char symbol)
 & switch (symbol)
     case +
      case '-': return 2;
       Case '*'
       Case \ : return 4)
        Cax'n':
        Case 's'; return 5;
        Case (: returno;
        Case '#; return - 1;
        default: return 8; }}
int G (chas symbol)
   snortch (symbol)
    g case '+':
         Case'-': return 1
         case * 1!
          Case'\': return 3;
         case ' 1':
         case & : return 6;
          case' (': retur 9;
          care') : returno;
          default: return 7; }}
void infix-postfix Chas infix [], char postfix [])
     int top, i, j;
     chas S[30], Lymbol;
     top = - 1;
S[++top] = '#';
     j=0;
    Kor (i=0; i c stonlerlinfia; i++)
      symbol = infix[i];
       while (F(b[top]) > G(toymbol))
           Postfig[j] = s[top--];
            14+; }
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if (F(s[top])!=G(taymbol))
S[++top] = taymbol;
While ( & [ top] ! = '#')

? post fia [j++]= S[top--]; }

postfia[j] = '\0'; }
int main ()
  char infix [20];

char postfix [20];

printly ("Entex valid in fix \n");

Scanf ("%S", infix);

infix-postfix (infix, postfix);

printly ("The postfix express is %S\n", postfix);
       return 0; {
Sulput sample:
Enter valid in fin:
(a+b) * (c-d)*(e/f)
The postfix expression is ab+cd-+ef/*
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