```
write a program to convert infix to postfix expression.
                                       01-01-2024
#include < Stdlo. h>
# include < String. h>
int ind=0, pros=0, top=-1, length;
char temp, infix [20], postfix [20], stack [20]; symbol;
void infix to postfix ();
void push (char symbol);
char pop (obansprotot);
 int pred (char Symbol);
 void main () {
 printf (" Enter the infix expression:");
 scanf (" %5", infix);
 infix to postfix ();
 printf (" the infix expression is: 405 (n", infix);
 printf (" The postfix expression is : %s \n", postfix); }
 void push (char symbol) of
  top = top+1;
   Stack [top] = Symbol; }
 char pop() {
     char Symbols
     Symbol = Stack [top] ;
     top = top-1;
     return (symbol); ?
 int pred (char symbol)
 f int p;
   Switch (symbol)
                              coue 'C': p=0; break;
     case 'x':
     Case 11': P=2;
                              (cuse '#': p=-1;
     break?
                           a g break;
     Case'-2. P=1; break;
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vold inflatopostfix () &
  length - Strlen (infix);
  push ('#');
  while (ind < length).
  { Symbol = infix [index];
     Switch (Symbol)
     case 'c' : push (symbol);
                break;
    case') ' temp = pop ();
             while (temp ! = '(')
           $ postfix [pos] = temp;
             temp=popco; }
             break;
           Pop(+1)
   case' -' :
   case 'x':
   case / ':
   while (pred (Stack [top]) >= pred (Symol))
       temp = pop();
          postfix [pos]= temp;
      push (symbol);
       break?
    default: postfex [pos++] = Symbol; &
   index++;
 while (top>0)
  { temp=pop();
  & postfix [post+] = temps
```

OUTPUT:

Enter the infa expression: A*B+C*D-E.

Infix expression: A*B+C*D-E.

Postfix expression: AB*CD*+E-.

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Enter the infix expression:A*B+C*D-E

Infix expression:A*B+C*D-E

Postfix expression:AB*CD*+E
Process returned 29 (0x1D) execution time : 11.761 s

Press any key to continue.

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