Date Program-2 WAP to convert a given valid parenthesized infix anithmetic expression to post fix expression The expression cousists of single character operands and the binary operators Hophus), - (minus), \* (multiply) and / (divide). # include < stdio.h> # include < string. h>
int x (symbol) int F (char symbol) switch (choice) (symbol) case 1+1: case '-' return 2; ritai bion case 1 \*1! case '1': redum 4; case 'n' ! ladrans los 12 rec case '\$'! return 5; case ( ( ' return o; Cott case '#1' net win-1', default : net uni 8; o il 180

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int (a (char symbol)

Switch (symbol)
   case It is carled set but show
   case '-1: notwen 1',
   case x1:
    case 1': netwin 3;
    case'1': <N. prietz > strilini
    case '$'! notwern 6;
     case (' ' greation 9 ;
    case')': resturino;
    default in sie twent T; Askins
   void infix postfix ( chay infix[], char postfix[]
   chan & [30], symbol;
   s[++ top] = '#1'; + ore ! 1)
  )=0; 1- mentare 1/4 1 and
  for (i=0; i < strlen (infix); i++)
  symbol = infix[i];
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while (F(s[top]) > G(symbol))! tuntur
$(6+7) ((0-6)-2*(0+0)-
  postfix [j] = s[top--];
  j+tote--litte
  if (F(s[top])! = G(symbol))
  S[++top] = Symbol;
  while (s[top]] = '#')
  postfix [i++] = s[top--];
   postfix []] = 1/01;
   void main ()
    char infix [20];
    char postfix [20];
   print f (" antog the valid infix expression In");
   scanf (" Y.S", infix);
   infix postfix (infix, postfix),
   print + (" the postfix expression is In");
   scant (" xs In", post fix);
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enter the valid infix expression (a+b)\* c-(d-e))1(++9) Output! the postfix expression is ab+c\*de--fg+1 (ledm 42) 2) = 1([got]2)7) Cost scitul tearls billow ext yest you ) + trica