```
Lab-3
q. WAP to convert a given valid parenthesized
   infin arthenetic enforcession to foostfix.
St # include (stdio.h)
    # include (string.h)
   int F(cher symbol)
    smitch (symbol)
       case '-': return 2;
       Case (/): return 4;
        case ($1: return 5:
        case (c': return 0;
        case 'H': return -1;
        default: return 8;
```

suiteh(symbol)

case '+': retur 1;

int G(char symbl)

case '/'! return 3; Eu., ... (\$ : return 6; we ( ( \* return 9; case ')': return of the solar default: return 7; (ladiales - with void infix-postfix (charinfix[],d fort fix []) d it top, 2001; milion. Char s[30], symbl; folo = -1; S[+++op]= .4; f=0; Combre de Husiph for (i=0; i(strleh(infix); i++) Symbol = infix [i]; unite (F (s (top)) > G (symbol) Post fix Cj.7= s [top :\_];

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1++;
If (F(s[top]) = G(symbol))
     s [++ top] = symbol;
       else
       top --;
     while (s[top]1= '#')
       |postfix[i++]=s[top--];
      )

post fix [j] = '\0';
      Void main ()
        char infix [20];
        char loostfix [20];
      for ont f ("Enter the valid infor enforcession \n");
         Scanf (" /. s", infix);
         Prinfix - postfix (infix, postfix);
         forial f ("The bost fix en/o. is \n");
          foright (" " S\n", postfix);
```