a) Wap to convert a given injix authoretic expression to postfix expression. The expression consist of single character operands an the binary operates +,-, *, 1. #include <stdio in> #include <string.h> int F (chal symbol) 2 switch (symbol) "H'= [40 +1] = a case + : case - !: returndi case 1: return 4; case 1: I Drift : loly case (! return 5; ()) case (': returo; default: return ?; (Johnson p = 1([got] =) Jodanes : [9011]

int G (char symbol) 2 switch (symbol) case -1; letur 1; case /1: return 3, cose (c'; return 9; case) ! return o; default ; return 7; infix - postfix (char infixE), char postfix E) Void (Lingor tu Char S[30], symbol. top= -1; S[++ top] = \#'. for (1=0; i < streen (iggin); int) { Symbol = infixCi]. while (F(s[hop]) > G(symbo)) 2 portfix Gjj = s Coop --] ig (F (S[top]) = G (symbol))
S[++ fop]: symbol,

else top -- ; uni le (& E top] 1 = '#') partix GHT= & Etop -- J; nostix EJJ = 10'; internain () 2 char infix [20]; chal postix (20); expression (n"); purity (" Suter Ale validinging Scarf ("/ s", infix). infix -postix (infix, poctix) printy ("The rosfix expression is: ("). puit ("1.5 (n", postfix).