int main () } DUNTS (. 06/10 WAP, to convert agiven valid parenthesized infix arithmetic expression to postfix expression. The ex 100 pression consists of single character operands and the binary operators + (plus), minus, * multiply and / divide. and I divide. M * ** 3 (')' = 40) di #include < stdio.h> # include < c. type> # define size 50 Charlstack (size) peopison) musto 21) di 9219 1) = [++] = CL ENTER YOU int top = -1; Void push (char element) of Stack [++ top] = element; LXX.ME (')' = [[top]] = '(') 2. Push 2 200 Char Pop()({909=[++4] x9 +209 4 pisplay return Stack [top = Ji = trums) Coix o pr (char symbol) smans (brov) if (symbol = = 'An') IM * * * ([90+] ADA(2) PETURA 3; = 1 [90+] ADA(2) SINOW 1649.C else it (Symbol = 1 11 Symbol = 1) 3. peed return(21,) 909 = [++ 4] xig +209 PUSH (CH). else it (Symbol = '+' 11 Symbol = '-') ? return 1; "#" = [[90+] 20+2) 31 Man else · (xg120 return 0; = xig 120 m/) from

```
output
                                               Enter the In
int main () {
                                              Posttix = Al
 Char infix [50], Postfix [50], Ch, element c. Symbol
int i= 0, K=0 ; 17 209 of
 Printf ("Enter the expression");
get (" 1. 495", infix); Push ('#')
 FMhile (i=0; i & strienting x); i++)
   ((ch = infix [i++]) != '\0')}
    Push (Ch);
    else if (is alnum (unsigned char) chi);
        Post fix [k++] = ch;
    Stack [++ top] - [ fot ++] 3219
         While (Stack [top] != 'C')
          Post gix [r++] = pop()() 909 and)

Plement = pop();
          ( void) element; ( today 2 sous) 39 #
                      if ( sympol = = bod mys) i
   e ise s
     while (Stack [to]]! = '(' & & pr (Stack [top])
  1/= 100 00 7, Pr (Ch) 100 mg2) di 9213
         POST GX[K++]=POP(); wanted
      Push (ch).
  while (stack [top] ] = '#')
        Postfix [k++] = Pop();
     · POST D'X [ K] = 10;
     printf ('InPost tix = 7.5 1 h), Postox);
    tetron o'
```

it include of # include 4 It define si Charles (Charles) f stack (Stack [top]) 6510x);

output Enter the Intix expression: (A+(B*G-CD/E1F)*G)*4) Posttix = ABC * OFF1/G*-H*+

The