```
went a program to warrent a given votice Acrapa,
  infin authentic expression to poster expression
 expression consist of single character externands and s
  # circlede a Stoles . 43
 # invalude c come " h >
 # wiched = string. 53
 # olyene MAX 100
 chan StEMAXI;
 int top = - 2 ;
 void push ( chan AtE7 ; chan );
char pop Edwar At 63);
world Engente Postfon ( char soum 53, wan taget (3)
int gething conon;
int maine
5
       chan enfin [100], postfin [100]
      Points (" ( on Earter any intin entrusion: ")
      gets (cirpus);
      stropy crospen, (1)
     Infente Postfin ( cinfin, postfin);
    Printy &" In The componeing poster espriss
    puts crostein ;
    Tetum o;
Coid Entento Postein C char source [], Non target?
      art i=0 , j=0;
     chan tempi
     strapy ctarget , " " );
```

```
while a source Eid != 110')
               c source ( d ] = = 'e')
                    push c st, some cis 7,
                   £++:
          clas if a source Eis == 13/9
                 while cetap 1=-17 a a cotecto 1=101)
                   { target Ej] = POP CAT;
                    temp = popcatt;
                    C++i
       Clase if a isdigit a sound [i]) 11 is affer (soundis))
         E.
                 target [] = sount [];
       else if a sounce is == '+' to sounce is == 1-1 1)
63
                  Mayn [ [] ] = 1 1 / 11 Dam [2] == 1/11
                 Aue C 2) = = 1 1 7
          while (ctop!=-1) at (ATEEOD) = 21) as
               c get priority c st [ top ) > get Priority council))
                      tagit Ess = Popcotii
               3
                push cot, some is ? i
                  2++;
           70
```

cla of printy (" Torconeit element in enit (2); add (c top !=-2) de (St [top) != 'e') E tanget [i] = pop cat; J++; tanget Cj7 = 110'; cit getforiority a char op) { Y cor == 11/) return Z; ela if cop== 111 11 q== 181 11 op == 1/1) Jetur 2; clos if c op == (+1 11 op == 1-1) Tetum o; 7 void push (char NED) , chan vol) if c cop == MAX-1) Painty c' Stack outlow (m"); clan { fab ++; Mc +43 = od; 3 30

char pop com stos) cron vd = 1 1; y (Ed ==-1) Party (" in Start orangeous 117; Ch [vd = oxcty); ty -- 1 return vol; outhert = Exter any cirpin enpression: A+B-C#D The compording poster extrusio is: MATCON. 2) will to stimulate the working of a quine of integers vary an away . for It enclude < Atolio . h) # define N 5 int qENJ; int front =-1, rear = +1; world minent a mit Di cit delte e ? ; word displayed; Good main () eit m, choice i 5 Les Paint c'(M2) question 2) Outil (M3) Displays Enit (mu);

points c'Entr you often: \m"; seary c " 1. d" , a choice "; switch a choice 2 con 2. painty e" Easter the menter to be winded with a que Aconf c" -1-01" 14 m7; insert ems ! breck; core 2: n = delited タヒカノ=-17 prenty cu in the member deleted is talk Breek, Con 3 1 exit cori agellet : painty c" Freded of c zut des Je when caroin 1=471 P

Gold sinsert coint menny of if c mor = = MAX-17 & pointy c' stack is full (n"); Clarif c mar == -1 & a prost == -17 { "Fer ++; front ++; I reces = volve; alse & sear ++ i glitano = bolue; 70 7 int deleteco cut volue; if chart == -1 dd scar == -1) & society c' stack is empty underflow ("); clay c port == xcon d vdu = 92 pot 3; colon = quefront] !

4

```
int main ()
       int choice =1, 2;
       while colores = 4 ac clair 1=0)
              painty c" Boss 2: Insert was element");
              fourt c' Press 2 ; Oulite com element " ;
              Parity C" Tress 3: Deaplay the Element' ?,
              printy" Enter you choic " 7;
               scorp c"+d", a choice);
             switch a choice ?
             [ con 2: 1 ainly c" Entra the elevant.
                               which is to be worth
                       scarje 1 1-de, a 27;
                        enque (2);
                       brech 1
               can z: daquer c);
                         met ;
                coor 3: display ();
    getur o;
Output is
    2) Inset
    2) Display
    3) belite
    Enter you choice I
    Enter the element to be worted 5
  1) Trant
  20 Display
  3> Outite
                 element to be inserted 6
    Enter your whoise 2
     Enter the
```

2) Inout 2) Delet D Display 4) Esit Entre your option The member debiled is 3 2 great 2 arlete 7 Display 4 Driet puts your oftio WAP to stimulate the working of a circular quene: # include a statio is > Et objine mon 6 wint quent mone i int proit = -1; int rear = -1; void enquen coit clement) if c front ==-1 at xion == -1) 2 front = 0; Year = 0;/ queung som = element i p clar if (c searth) 1. mon = = front) Party c'oum is oughous") Dear = (seart 1)1. mon; 2 quent par] = element i 3

t==-1) & £ (2000 2=-1)) on our to underflow ! also if a front = = painty c" The dequend element is 1 d! clas 2 proxy C" In the dequered element is 4. de queme frot]) apront +1).1. man " void display int i = front cla 2 points c'' (n Element while (2 = Dear) à painty c" " d" , quem E []) C = cc+12-1- mon j

world display () E party c" (m"); if = front ==-1 &6 mon == -1) & party (" m oum is empty") alor for ci 2 front i ce = ocar i its s prints c" 1.0" 19ciss; y Outhert -> 2) Invent 2) alite 3) Dioplay Don't Enter your Atron: 2 Enter the member to be invested in the quan 7 2) Insert 2) alit D Display 4) orit Entryon ofthis 3

1> Insert 2) Original 3) celete