```
of Stack
  stdeline size 5
   top = -1, stack[size];
  void push (int value) (
      il (top = esize -1) 1
        print (overflow) 3
     else &
        top + + ;
         Stack[top] = ralie;
  vooid pop() ?
                             flower with sometimes of the
       16 (top === 1)1
          print (under 16w) 2
     whe !
         int val = stack [top];
         top -- .
         print (val).
   void display () of
        if (top == -1) {
           print (stack is empty) }
       else {
          for (int i = top : 1>= 0; i--) {
               print (stack[i]);
```

01/01/2024

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**Tolivate to postfix conversion

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**Top 4+;

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**Top 4+;

**Top 4+;

**Char pape ()!

**Char pape ()!

**Char val = stack[top];

**Top --;

**Top

Pot predidence (char symbol) (

Switch (symbol) &

Core or

case '*1:

cose 11:

cose +1:

Couse 1=1:

Couse ((';

Cere '#';

point = 2;

point =1;

break;

point = 0;

point = -1

break;

break;

break;

int point;

```
void conversion () d
   int index;
    int length = strlen (infix);
     push ( '#+1);
     while (length > index) (
         Char tal = infix [inp] infix [index];
         switch (val) (
             case '(':
                   proh (val), push (val);
                    postfix fport - vot;
                val = pop()
                     while (val := 'C') }
                         postfix [pos] = val;
                         pro) ++ !
                         val = popl)
                 Cose 'x';
                 case 1+1:
                  cose - :
                  case 11:
                      while (precidence (stack(top)) > precidence (val)
                            val = pop ();
                            postein[pos] = val;
                            pos 4+;
                        3;
                   default:
                        postfix [pos] = val;
                  index++
```

while (top >0) (val = pop(); portlix (por) = val; 0/p: Enter the infix expression: axp+c*d-e infix expression: a*b+c*d-e postfix expression: ab*cd*+e-Output for Stack program. *** MENU *** Enter 1: to push Enter 2: to pop Enter 3: to display enter 4: to exit Enter the element to push: 32 Insertion Successful.... poped element: 32 Stack is empty 46 Invalid number, try again 4 (exists)

while (top >0) (val = pop(); porthix (spor) = val; 0/p: Enter the Portix expression: at b+c*d-e infix expression: arb+c*d+e postfix expression: ab*cd*+e-Output for Stack program. *** MENU *** Enter 1: to push Enter 2: 40 pop Enter 3: to display enter 4: to exit Enter, the element to push: 32 Insertion Successful.... poped element: 32 Stack is empty. Invalid number, try again 4 (exists)