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Page No.
                                 NAME : ANCHUL H. SUPANA
                                 UIN: 1BM 19CGO20
was to convert a given valid parenthesized intix
 withmetic expression to postfix expression. The
expression consists of single character operands
 and the binary operators + (plus), - (minus), * (multiply)
 and (Idivide)
# include < stdioh>
# define MAX 100
chan stack [MAX];
int top=-I;
void push (char ch)
      H ( top-MAX-1)
      printfl" Stack is full In");
      else
      top ++ ;
        Stack [top] - ch;
char pop ()
  char item;
    if (top = = -1)
    printf (" stack is empty "In);
   else
    item = stack [top];
     return item;
                                        Arghard H. Surana
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Page No.
MAME: ANCHUL A SURANA
 USH ", 1BM1915020
int stackempty ()

(if (top==-1) networn 1;

else return 0;
 Char stack top ()
 & if (top = = - 1)
    printf (" In Stack is empty In");
    else
    return Stack [top];
int priority (char ch)
     switch (ch)
     case '+';
       case'-' return (1);
      case (x1)
      case 11; return (2);
      case (1); return (3);
      default : return (0);
int main (int wrge, chan * * argv)
      char infix [100];
      ent i, item;
      printf ( "Enter the infix expression ");
     scanf ( " olos", infix);
     printf (" Expression: o/os", infix).
     printfl' in Postfin! ").
    while Cintin [i] = "10"
  2 cap'(' push (infinsi)).
                                          Jashul H. Swan
      break
```

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NEWE : ANCHUL H. CURALA
 CONSIBMIACS026
          print (".1.(", item);
      2 1 2 -
  while (! stackempty!) 28 priority (infix [i]);
         printf 1 " olec", item);
    puh (infix [1]);
    break;
 default: print (" . l. ", infix [i]);
i chan item;

item pop [):

printf(".l.(", item);
```