```
int main (intarge, char angu)
   # indude < statio. h7
    # define MAX 100
                                              charinjix [100];
     char stack [MAX];
                                               int i, item;
                                              hintf ("enter the infraenpresson:");
      int top = -1;
                                              sanf ("1.5", injix);
      void push (charch)
                                               printf( Expression: 1.5", injix);
                                               printf(" In Poutjix:");
          i) (top == MAX-1)
                                                1=0:
           printf ("stack is full \n");
                                               while (injix(i]!= '\o")
                                              switch(injix[i])
             2 Stack [top] = ch;
                                            rare ('; pun(injix(i));
    (har pop()
                                           care ')' : while ((itom=pop())!='()
         charitem;
                                                        printf(".1.c", item);
          if (fop==-1)
                                                         break;
                                            (are 1+):
           printf ("Stackis emply! \n");
                                            care '-1:
                                            Care +1;
                                            care "/":
                Hem = stack[top];
                                           cau (1); while (! stackempty() & &
                 tob + - ,
                                           priority (injux[i]) <= priority (stacktok)))
                 deturn item;
                                               item = pop();
   int stackempty()
                                                printf("1.c", item 5
 { if (top==-1) return 1;
                                              puncingix[i]);
      elie return 0;
                                                  break;
                                         dyant: printf("1.c", injix[]);
 char stacktop()
                                                   break;
  2
       i) (tob==-1)
                                              14+3
         printfl" stackisempty (n');
                                           while (!stackempty())
        return stack (top);
                                             ٤
                                                 Char item;
                                                  item = pop(),
int priority (charch)
                                                   printf("-1.c", item);
3
       switch(ch)
                                                printf("\n");
        care (+1:
                                                 return o;
        Care '-': return (1);
       care '* :
        one / /; return (2);
        Care' 1; refurn (3);
      3 Caredyallt: return (0);
```