```
main.c
     #include<stdio.h>
   1
  2
     #include<ctype.h>
  3
     #define SIZE 50
     char stack[SIZE];
  4
  5
     int top=-1;
  6
     push(char elem)
  7 - {
  8
     stack[++top]=elem;
  9
     3
 10
     char pop()
 11 - {
 12
      return(stack[top--]);
 13
 14
      int pr(char symbol)
 15 -
      if(symbol== '^')
 16
 17 -
      return(3);
 18
 19
      else if(symbol== '*' || symbol== '/' )
 20
21 -
      {
22
     return(2);
23
24
      else if(symbol== '+' || symbol== '-')
25 -
26
      return(1);
27
28 -
     else {
29
     return(0);
30
31
32
     void main()
33
```

```
return(0);
29
     }
30
31
     void main()
32
33 -
     char infix[50],postfix[50],ch,elem;
34
     int i=0,k=0;
35
     printf("enter Infix expression");
36
     scanf("%s",infix);
37
     push('#');
38
     while((ch=infix[i++])!='\0')
39
40 -
     1
     if(ch == '(') push(ch);
41
42
     else
     if(isalnum(ch)) postfix[k++]=ch;
43
44
     else
     if(ch==')')
45
     { while(stack[top] !='(')
46
     postfix[k++]=pop();
47
     elem=pop();
48
49
     7
50
     else
51 -
     1
     while(pr(stack[top]) >=pr(ch))
52
      postfix[k++]=pop();
53
      push(ch);
54
55
56
      while(stack[top]!='#')
57
       postfix[k++]=pop();
58
       postfix[k]='\0';
59
       printf("\nPostfixexpression=%s\n",postfix);
60
61
```











Postfixexpression=462*+

...Program finished with exit code 0

ress ENTER to exit console.