

```
1 #include<stdio.h>
2 #include<conio.h>
3 #include<stdlib.h>
4
5 void E ();
6 int i = 0;
7 char str[10], tp;
8
9 void advance ()
10 {
11     i++;
12     tp = str[i]
13 }
14
15 void F(){
16     if(tp == 'i')
17     {
18         advance();
19     }
20     else
21     {
22         if (tp == 'i')
23         {
24             advance();
25             E();
26             if(tp == ')')
27             {
28                 advance();
29             }
30         }
31         else
32         {
33             printf("String is not accepted");
34             exit(1);
35         }
36     }
37 }
38 void TP()
39 {
40     if (tp=='*')
41     {
42         advance();
43         F();
44         TP;
45     }
46 }
47
48 void T()
49 {
50     F();
51     TP();
52 }
53
54 void EP()
55 {
56     if(tp=='+')
57     {
58         advance();
59         T();
60         EP();
```

```
61         }
62     }
63
64 void E()
65 {
66     T();
67     EP();
68 }
69
70 int main()
71 {
72     int op;
73     while(1)
74     {
75         printf("Enter the string: ");
76
77         scanf("%s", &str);
78         tp = str[i];
79         E();
80
81         if(tp=='\0')
82         {
83             printf("String is accepted\n");
84         }
85         else
86         {
87             printf("String is not accepted\n");
88         }
89         printf("Enter 1 for exit!");
90         scanf("%d", &op);
91
92         if(op==1)
93         {
94             exit(0);
95         }
96     }
97 }
98
```