

```
1  #include<stdio.h>
2  #include<stdlib.h>
3  int stack[20];
4  int top = -1,y=1;
5  void push(int x){
6      stack[++top] = x;}
7  int pop(){
8      return stack[top--];}
9  void main(){
10     system("clear");
11     while(y){
12         char exp[20],*e;
13         int n1,n2,n3,x;
14         puts("Enter the expression");
15         scanf("%s",exp);
16         e=exp;
17         while(*e!='\0'){
18             if(isdigit(*e)){
19                 x=*e-48;
20                 push(x);}
21             else{
22                 n1=pop();
23                 n2=pop();
24                 switch(*e){
25                     case '+':n3=n2+n1;break;
26                     case '-':n3=n2-n1;break;
27                     case '*':n3=n2*n1;break;
28                     case '/':n3=n2/n1;break;
29                     default:puts("ERROR");break;
30                 }
31                 push(n3);
32             }
33             e++;
34         }
35         printf("Result : %d",pop());
36         puts("\n\nDo u want 2 continue[1-continue][0-stop]");
37         scanf("%d",&y);
38     }
39 }
```