Balanced expression using stack

```
#include < stdio.h >
#include < conio.h >
#define max 50
void main()
         char stk[max],exp[100];
          int top,i;
          clrscr();
          top = -1;
         printf("\nEnter an infix expression ");
          gets(exp);
         for(i=0; exp[i] != '\0'; i++)
                    if( exp[i]=='(' || exp[i] =='[' || exp[i] == '{' )
                    {
                              top++;
                              stk[top] = exp[i];
                    else
                    if ( exp[i] == ')' )
                              if( stk[top] == '(')
                              top--;
                    else
                    {
                              printf("Unbalanced exp");
                              exit(0);
                    else
                    if ( exp[i] == ']')
                    if( stk[top] == '[' )
                              top--;
                    else
                              printf("Unbalanced exp");
                              exit(0);
                    else
                    if (exp[i] == '}')
```