```
#include<iostream>
#include<stdlib.h>

using namespace std;

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template <class T> class Stack
{                                       int max,top;
                                        T stack[100];
                        public:
                                        Stack();
                                        int isFull();
                                        int isEmpty();
                                        void push(T data);
                                        T pop();
};
- ---------- ---------- ---------- ---------- ------------------- ---------- ---------- ---------- ---------- ---------- -
template <class T> Stack <T> :: Stack()
{
        max=99;
        top=0;
}
- ---------- ---------- ---------- ---------- ------------------- ---------- ---------- ---------- ---------- ---------- -
template <class T> int Stack <T> :: isFull()
{
        if (top==max)           return 1;
        else                    return 0;
}
- ---------- ---------- ---------- ---------- ------------------- ---------- ---------- ---------- ---------- ---------- -
template <class T> int Stack <T> :: isEmpty()
{
        if (top==0)     return 1;
        else            return 0;
}
- ---------- ---------- ---------- ---------- ------------------- ---------- ---------- ---------- ---------- ---------- -
template <class T> void Stack <T> :: push(T data)
{
                top=top+1;
                stack[top]=data;
}
- ---------- ---------- ---------- ---------- ------------------- ---------- ---------- ---------- ---------- ---------- -
template <class T> T Stack <T> :: pop()
{
                T pdata;
                pdata=stack[top];
                top=top-1;
                return(pdata);
}
- ---------- ---------- ---------- ---------- ------------------- ---------- ---------- ---------- ---------- ---------- -
```

```
#include "Stack.h"
- ---------- ---------- ---------- ---------- ---------- ---------- ---------- ---------- ---------- ---------- -


- ---------- ---------- ---------- ---------- ---------- ---------- ---------- ---------- ---------- ---------- -
main()
{               char postfix[100];

                Stack <int> st;

                char x;
                int val;
                int op1, op2, result;

                cout << ".....Enter the Postfix Expression..... ? ";
                cin >> postfix;
- ---------- ---------- ---------- ---------- ---------- ---------- ---------- ---------- ---------- ---------- -
                for(int i=0; postfix[i]!='\0'; ++i)
                {
                        x=postfix[i];
- ---------- ---------- ---------- ---------- ---------- ---------- ---------- ---------- ---------- ---------- -
                if ( isalpha ( x ) )
                {
                                cout << ".....Enter Value of Operand..... " << x << " ? ";
                                cin >> val;
                                st.push(val);
                }
                else
                {       op2=st.pop();
                        op1=st.pop();

                        switch(x)
                        {
                                case '+'  :     result=op1+op2;
                                                st.push(result);
                                                break;

                                case '-'  :     result=op1-op2;
                                                st.push(result);
                                                break;

                                case '*' :      result=op1*op2;
                                                st.push(result);
                                                break;

                                case '/'  :     result=op1/op2;
                                                st.push(result);
                                                break;
                        }
                }
- ---------- ---------- ---------- ---------- ---------- ---------- ---------- ---------- ---------- ---------- -
        }

        cout << ".....Result of Postfix Expression Evaluated..... " << st.pop() << endl;
}
- ---------- ---------- ---------- ---------- ---------- ---------- ---------- ---------- ---------- ---------- -
```