#include <iostream>

#include <stack>

using namespace std;

bool isOperator(char x)

{

switch (x)

{

case '+':

case '-':

case '/':

case '\*':

return true;

}

return false;

}

string preToPost(string pre\_exp)

{

stack<string> s;

int length = pre\_exp.size();

for (int i = length - 1; i >= 0; i--)

{

if (isOperator(pre\_exp[i]))

{

string op1 = s.top();

s.pop();

string op2 = s.top();

s.pop();

string temp = op1 + op2 + pre\_exp[i];

s.push(temp);

}

else

{

s.push(string(1, pre\_exp[i]));

}

}

return s.top();

}

int main()

{

cout << "Name : varun gaur" << endl;

cout << "Roll No : 1901610109010" << endl;

string pre\_exp;

cout << "Enter Prefix string : \n";

cin >> pre\_exp;

cout << "Postfix : " << preToPost(pre\_exp);

return 0;

}