balanceparenthesis\_07.cpp

**Compile:** g++ balanceparenthesis\_07.cpp -o balanceparenthesis\_07

**Run:** ./balanceparenthesis\_07

**Program:**

#include<iostream>

#include<string.h>

#include<stdlib.h>

#include<stdio.h>

using namespace std;

classbalanceParenthesis

{

charexp[20];

char stack[20];

public:

void get();

void compute();

};

voidbalanceParenthesis::get()

{

cout<<"\nenter the expression\n";

cin>>exp;

}

voidbalanceParenthesis::compute()

{

int top=-1;

int length=strlen(exp);

for(inti=0;i<=length-1;i++)

{

if(exp[i]=='(')

{ top++;

stack[top]=exp[i];

}

if(exp[i]==')')

{

top--;

}

}

if(top==-1)

{

cout<<"\nexpression is balanced expression\n";

}

else

cout<<"\nexpression is unbalanced\n";

}

int main()

{

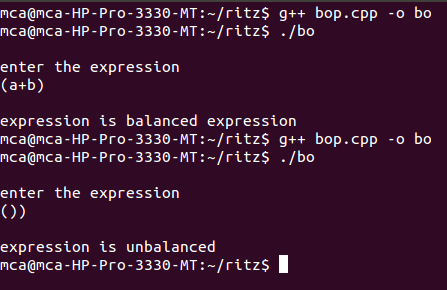
balanceParenthesis b;

b.get();

b.compute();

}

**Output:**

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