**DEBUGGING**

**1.Stack reversing using Recursion**

#include <bits/stdc++.h>

using namespace std;

void insert\_at\_bottom(stack<int>& st, int x)

{

if (st.size() == 0)

{

st.push(x);

}

else {

int a = st.top();

st.pop();

insert\_at\_bottom(st, x);

st.push(a);

}

}

void reverse(stack<int>& st)

{

if (st.size() > 0)

{

int x = st.top();

st.pop();

reverse(st);

insert\_at\_bottom(st, x);

}

return;

}

int main()

{

stack<int> st, st2;

for (int i = 1; i <= 4; i++)

{

st.push(i);

}

st2 = st;

cout << "Original Stack" << endl;

while (!st2.empty())

{

cout << st2.top() << " ";

st2.pop();

}

cout<<endl;

reverse(st);

cout << "Reversed Stack" << endl;

while (!st.empty())

{

cout << st.top() << " ";

st.pop();

}

return 0;

}