**Stack Implementation Using Array**

#include <bits/stdc++.h>

// Stack class.

class Stack {

public:

int size;

stack<int> st;

Stack(int capacity) {

// Write your code here.

size = capacity;

}

void push(int num) {

// Write your code here.

if(st.size()!=size)

st.push(num);

}

int pop() {

// Write your code here.

if(st.empty()) return -1;

int x = st.top();

st.pop();

return x;

}

int top() {

// Write your code here.

if(st.empty()) return -1;

int x = st.top();

return x;

}

int isEmpty() {

// Write your code here.

return st.empty();

}

int isFull() {

// Write your code here.

return size==st.size();

}

};