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#include <iostream>
#include <stack>

using namespace std;

int main() {
    stack<int> s;
    s.push(10);
    s.push(20);    ;
    cout << "Top: " << s.top() << endl;

    cout << "Top after pop: " << s.top() << endl; // Output: 10

    return 0;
}

class Stack {
private:
    int arr[100];
    int top;

public:
    Stack() {
        top = -1;
    }

    void push(int x) {
        if (top >= 99) {
            cout << "Stack Overflow!" << endl;
            return;
        }
        arr[++top] = x;
    }

    int pop() {
        if (top == -1) {
            cout << "Stack Underflow!" << endl;
            return -1;
        }
        return arr[top--];
    }

    int peek() {
        if (top == -1) {
            cout << "Stack is Empty!" << endl;
            return -1;
        }
        return arr[top];
    }

    bool isEmpty() {
        return top == -1;
    }
};

```