#include <iostream>  
#include <vector>  
#include <string>  
#include <unordered\_set>

using namespace std;

string vectortostring(const vector<string>& vector, const string& label) {  
    string result = label + " [";  
    for (size\_t i = 0; i < vector.size(); ++i) {  
        result += "\"" + vector[i] + "\"";  
        if (i < vector.size() - 1) result += ", ";  
    }  
    result += "]";  
    return result;  
}

int main() {  
    vector<string> inventory = {"apples", "bananas", "oranges", "pears"};  
    vector<string> shipment = {"kiwis", "grapes", "bananas"};  
    vector<string> soldItems = {"apples", "oranges"};  
      
    cout << vectortostring(inventory, "Current Inventory:");  
    cout << endl;  
    cout << vectortostring(shipment, "Shipment:");  
    cout << endl;  
    cout << vectortostring(soldItems, "Sold-out items:");  
    cout << endl;  
      
    unordered\_set<string> updated\_inventory(inventory.begin(), inventory.end());  
      
    for (const auto& item : shipment) {  
        updated\_inventory.insert(item);  
    }  
    for (const auto& item : soldItems) {  
        updated\_inventory.erase(item);  
    }  
      
    vector<string> final\_inventory(updated\_inventory.begin(), updated\_inventory.end());  
    cout << endl;  
    cout << vectortostring(final\_inventory, "Updated Inventory:") << endl;  
      
    return 0;  
}