//LAB TASKS

#include <iostream>

#include <string>

using namespace std;

// Task 1: Register Event Participants

void registerParticipants(string event1[], string event2[]) {

    cout << "Enter names for Event 1:\n";

    for (int i = 0; i < 5; i++)

        cin >> event1[i];

    cout << "Enter names for Event 2:\n";

    for (int i = 0; i < 5; i++)

        cin >> event2[i];

}

// Task 2: Attendance Checker

bool checkAttendance(string event1[], string event2[], int size, string name) {

    for (int i = 0; i < size; i++) {

        if (event1[i] == name || event2[i] == name)

            return true;

    }

    return false;

}

// Task 3: Calculate Total Donations

int calculateDonations(int size) {

    return size \* 2 \* 10;

}

// Task 4: Display Participant Names in Reverse

void displayReverse(string event[], int size) {

    for (int i = size - 1; i >= 0; i--)

        cout << event[i] << " ";

    cout << endl;

}

// Task 5: Event Popularity Bar Chart

void displayBarChart(int count) {

    for (int i = 0; i < count; i++)

        cout << "\*";

    cout << endl;

}

int main() {

    string event1[5], event2[5];

    registerParticipants(event1, event2);

    string name;

    cout << "Enter name to check: ";

    cin >> name;

    cout << (checkAttendance(event1, event2, 5, name) ? "Registered" : "Not Registered") << endl;

    cout << "Total Donations: " << calculateDonations(5) << endl;

    cout << "Event 1 in reverse: ";

    displayReverse(event1, 5);

    cout << "Event 2 in reverse: ";

    displayReverse(event2, 5);

    cout << "Event 1 Popularity: ";

    displayBarChart(5);

    cout << "Event 2 Popularity: ";

    displayBarChart(5);

    return 0;

}

