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// Your Loss, Our Gain
#include <iostream>
#include <string>
using namespace std;

void main(){
int before, after, loss, maxloss, minloss;
string name, winner, worst;
winner="none";
worst="none";
cout << "At the 'New client?' prompt, enter a client's name. \n"
    << "After the last client, enter 'end'.\n" << endl ;
cout << "New client? "; //First client only
cin >> name;
if (name != "end"){
    cout << "Starting weight? ";
    cin >> before;
    cout << "Ending weight? ";
    cin >> after;
    loss = before - after;
    cout << name << " lost " << loss << "lbs.\n" << endl;
    maxloss = loss;
    minloss = loss;
    winner = name;
    worst = name;
    cout << "\nNew client? "; //Second client only
    cin >> name;
    while (name != "end") {
        cout << "Starting weight? ";
        cin >> before;
        cout << "Ending weight? ";
        cin >> after;
        loss = before - after;
        if (loss > maxloss){
            maxloss = loss;
            winner = name;}
        else
            if (loss < minloss) {
                minloss = loss;
                worst = name;}
        cout << name << " lost " << loss << " lbs.\n" << endl;
        cout << "\nNew client? ";
        cin >> name;
    } //end while
    cout << "\n\n";
    cout << "Congratulations, " << winner
        << " you have won the top prize!\n"
        << "You lost the most weight: " << maxloss << " lbs.\n";
    cout << "Sorry, " << worst << " you lost the least weight: "
        << minloss << " lbs. Try harder." << endl;
    }
else
    cout << "There was no data." << endl;

cout << "\n\nType any key and press Enter to close this window.";
cin >> name;
return;

```

}

