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/*--- hw29.cpp ---*/
#include <iostream>
#include <string>
using namespace std;
struct contestant
  string name;
 int* tickets;
};
void search(contestant*, int, int);
void print(contestant*, int);
int main()
  int n;
  cout << "How many people? ";
  cin >> n;
  contestant* A = new contestant[n];
  for(int i = 0; i < n; i++)</pre>
   A[i].tickets = new int[4];
  for (int i = 0; i < n; i++)</pre>
   cout << "Person " << i+1 << " name: ";
   cin >> A[i].name;
    cout << "Person " << i+1 << " tickets: ";
    cin >> A[i].tickets[0] >> A[i].tickets[1] >> A[i].tickets[2] >> A[i].tickets[3]
  int winticket;
  cout << "Winning ticket: ";</pre>
  cin >> winticket;
  search(A, n, winticket);
  return 0;
void search(contestant* A, int n, int wt)
  for(int i = 0; i < n; i++)</pre>
    for(int j = 0; j < 4; j++)</pre>
      if(A[i].tickets[j] == wt)
        print(A,i);
        break;
void print(contestant* A, int i)
  cout << A[i].name << " won!" << endl;
```