Int a[2][3]

A[0] (top row)

|  |  |  |
| --- | --- | --- |
| 1 | 2 | 3 |
| 4 | 5 | 6 |

A[1] (bottom row)

A[0] A[1]

1 2 3 4 5 6

\*(\*(a+1)+1) → value 5

(a+1) is an array of array of int

\*(a+1) is an array of int (at the 2nd row)?

(\*(a+1) + 1) is the 2nd element of the array in 2nd row

\*(\*(a+1) + 1) is the value of the 2nd element (5)

/\*\*  
 @file main.cpp  
 Calculates the best city for making a profit  
 as a housing contractor.  
 @author Cay Horstmann, modified by Stephen Gilbert  
\*/  
  
#include <iostream>  
#include <string>  
using namespace std;  
  
int main()  
{  
 bool mdata = true;  
 string response = "";  
 double avg\_sale\_price = 0.0;  
 double avg\_building\_cost = 0.0;  
 double avg\_profit = 0.0;  
 double best\_profit = 0.0;  
 string city = "";  
 string best\_city = "";  
  
 while (mdata)  
 {  
 cout << "Average building cost: ";  
 cin >> avg\_building\_cost;  
 cout << "Average sale price: ";  
 cin >> avg\_sale\_price;  
  
 cout << "City : ";  
 cin >> city;  
 avg\_profit = avg\_sale\_price - avg\_building\_cost;  
 if (avg\_profit > best\_profit)  
 {  
 best\_profit = avg\_profit;  
 best\_city = city;  
 }  
  
 cout << "More data (y/n)? ";  
 cin >> response;  
 if (response != "y")  
 {  
 mdata = false;  
 }  
 }  
  
 cout << "The best city to be a builder in is: "  
 << city << "\n";  
  
 return 0;  
}