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| --- | --- |
| **Ch11-01:** *Cube* | |
| **Line#** | **Code** |
| 1  2  3  4  5  6  7  8  9  10  11  12  13  14  15  16  17  18  19  20  21  22  23  24  25  26  27  28  29  30  31  32  33 | #include <iostream>  using namespace std;  #define NOI(\_arr) (sizeof(\_arr)/sizeof(\_arr[0]))  int main() {  int Cube[4][3][2]{  {{1,1},{1,1},{1,1}},  {{2,2},{2,2},{2,2}},  {{3,3},{3,3},{3,3}},  {{4,4},{4,4},{4,4}},  };  cout << "NOI(Cube) is " << NOI(Cube) << endl;  cout << "NOI(Cube[0]) is " << NOI(Cube[0]) << endl;  cout << "NOI(Cube[0][0]) is " << NOI(Cube[0][0]) << endl;  int total = 0;  int\* p = (int\*)Cube;  for (int i = 0; i < (NOI(Cube) \* NOI(Cube[0]) \* NOI(Cube[0][0])); i++) {  total += p[i];  }  //for (int x = 0; x < NOI(Cube); x++) {  // for (int y = 0; y < NOI(Cube[0]); y++) {  // for (int z = 0; z < NOI(Cube[0][0]); z++) {  // total += Cube[x][y][z];  // }  // }  //}  cout << "The total is " << total << endl;  return 0;  } |