# Declaring and initializing a two-dimensional array

You can think of a two-dimensional array as an array of arrays. So if we declare an array of doubles as array<double, NUM\_COLUMNS> then it makes sense that an array of arrays is array< array<double, NUM\_COLUMNS>, NUM\_ROWS >.

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| #include <iostream>  #include <array>  using namespace std;  const int NUM\_ROWS = 4;  const int NUM\_COLUMNS = 4;  int main() {   array< array<double, NUM\_COLUMNS>, NUM\_ROWS > table = {{{0, 1, 2, 3},    {4, 5, 6, 7},    {8, 9, 10, 11},    {12, 13, 14, 15}}};  } |