#include<iostream>

#include <cstdlib> //就是包含了对system的一些操作，比如有了这个就可以用：system("pause")

using namespace std;

int main() //四种二维数组的定义方式

{

cout << "第一种." << endl;

int n = 0;

int arr1[3][3];

for (int i = 0; i <3; i++)

{

for (int j = 0; j <3; j++)

{

n++;

arr1[i][j] = n; //直接顺序赋值型

cout << arr1[i][j] <<"\t";

}

cout << endl;

}

cout << "第二种." << endl;

n = 0;

int arr2[3][3] = //表示3行3列 从0行0列开始计数 (注意:与vb不同 vb为4行4列)

{

{1,2,3},

{4,5,6}, //比较直观的显示行列 (矩阵型)

{7,8,9},

};

for (int i = 0; i < 3; i++)

{

for (int j = 0; j < 3; j++)

{

n++;

cout << arr2[i][j] << "\t";

}

cout << endl;

}

cout << "第三种" << endl;

n = 0;

int arr3[3][3] = { 1,2,3,4,5,6,7,8,9 }; //系统会自动顺序识别将元素分层3行3列

for (int i = 0; i < 3; i++)

{

for (int j = 0; j < 3; j++)

{

n++;

cout << arr3[i][j] << "\t";

}

cout << endl;

}

cout << "第四种" << endl;

int arr4[][3] = { 1,2,3,4,5,6,7,8,9 }; //系统会自动顺序识别将元素分层3行3列,可以省略行标

for (int i = 0; i < 3; i++)

{

for (int j = 0; j < 3; j++)

{

n++;

cout << arr4[i][j] << "\t";

}

cout << endl;

}

cout <<"该数组所占内存空间为" <<sizeof(arr4)<<"字节"<< endl;

system("pause");

return 0;

}