#include "stdafx.h"#include "CppUnitTest.h"#include "../Sudoku/ArraysGenerate.h"

using namespace Microsoft::VisualStudio::CppUnitTestFramework;

namespace UnitTest1

{

TEST\_CLASS(UnitTest1)

{

public:

TEST\_METHOD(TestToGenerate)

{

// TODO: 在此输入测试代码

int \*ptr;

ArraysGenerate arryGen;

ptr = arryGen.toGenerate();

Assert::AreEqual(isCorrect(ptr), 1);

}

int isCorrect(int a[]) //检查生成数组是否为以数字1-9为元素且每个数字仅出现一次

{

int cnt[10] = { 0 };

int i;

for (i = 1; i <= 9; i++)

{

if (a[i] < 1 || a[i]>9 || a[5] != 5)

return 0;

cnt[a[i]]++;

}

for (i = 1; i <= 9; i++)

{

if (cnt[i] != 1)

break;

}

if (i == 10)

return 1;

else

return 0;

}

};

}