

Microsoft (R) C/C++ Optimizing Compiler Version 19.36.32537 for x64
Copyright (C) Microsoft Corporation. All rights reserved.

ColumnMemoryAllocation_Three.cpp

C:\MyProjects\rtr05-213\03_Assignments\upload13 part01\14-Pointers\03-Arrays\07-TwoDimensionalArrays\03-Simple2DArrayWithPointers\03-ColumnMemoryAllocation_Three>link.exe
ColumnMemoryAllocation_Three.obj

Microsoft (R) Incremental Linker Version 14.36.32537.0
Copyright (C) Microsoft Corporation. All rights reserved.

C:\MyProjects\rtr05-213\03_Assignments\upload13 part01\14-Pointers\03-Arrays\07-TwoDimensionalArrays\03-Simple2DArrayWithPointers\03-ColumnMemoryAllocation_Three>ColumnMemoryAllocation_Three.exe

*****First Memory Allocation to 2D Integer Array*****

Memory Allocation to Row 0 of 2D Integer Array Succeed !!!

Memory Allocation to Row 1 of 2D Integer Array Succeed !!!

Memory Allocation to Row 2 of 2D Integer Array Succeed !!!

Memory Allocation to Row 3 of 2D Integer Array Succeed !!!

Memory Allocation to Row 4 of 2D Integer Array Succeed !!!

Displaying 2D Array :

iArray[0][0] = 1
iArray[0][1] = 2
iArray[0][2] = 0

iArray[1][0] = 2
iArray[1][1] = 4
iArray[1][2] = 0

iArray[2][0] = 3
iArray[2][1] = 6

```
iArray[2][0] = 3  
iArray[2][1] = 6  
iArray[2][2] = 0
```

```
iArray[3][0] = 4  
iArray[3][1] = 8  
iArray[3][2] = 0
```

```
iArray[4][0] = 5  
iArray[4][1] = 10  
iArray[4][2] = 0
```

Memory Allocated to the Row of 4 of 2D Integer Array has been successfully Freed!!!

Memory Allocated to the Row of 3 of 2D Integer Array has been successfully Freed!!!

Memory Allocated to the Row of 2 of 2D Integer Array has been successfully Freed!!!

Memory Allocated to the Row of 1 of 2D Integer Array has been successfully Freed!!!

Memory Allocated to the Row of 0 of 2D Integer Array has been successfully Freed!!!

*****Second Memory Allocation to 2D Integer Array*****

Memory Allocation to Row 0 of 2D Integer Array Succeed !!!

Memory Allocation to Row 1 of 2D Integer Array Succeed !!!

Memory Allocation to Row 2 of 2D Integer Array Succeed !!!

Memory Allocation to Row 3 of 2D Integer Array Succeed !!!

Memory Allocation to Row 4 of 2D Integer Array Succeed !!!