```
x64 Native Tools Command Prompt for VS 2022
                                                                                                                                                                       ys\03-Simple2DArrayWithPointers\02-ColumnMemoryAllocation Two
C:\MyProjects\rtr05-213\03_CAssignments\upload13 part01\14-Pointers\03-Arrays\07-TwoDimensionalArrays\03-Simple2DArrayWithPointers\02-ColumnMemoryAllocation Two>cl.exe /c /
EHsc /I \include ColumnMemoryAllocation_Two.cpp
Microsoft (R) C/C++ Optimizing Compiler Version 19.36.32537 for x64
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ColumnMemoryAllocation Two.cpp
C:\MyProjects\rtr05-213\03 CAssignments\upload13 part01\14-Pointers\03-Arrays\07-TwoDimensionalArrays\03-Simple2DArrayWithPointers\02-ColumnMemoryAllocation Two>link.exe Co
lumnMemorvAllocation Two.obi
Microsoft (R) Incremental Linker Version 14.36.32537.0
Copyright (C) Microsoft Corporation. All rights reserved.
C:\MyProjects\rtr05-213\03 CAssignments\upload13 part01\14-Pointers\03-Arrays\07-TwoDimensionalArrays\03-Simple2DArrayWithPointers\02-ColumnMemoryAllocation Two>ColumnMemor
yAllocation Two.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] = 3
iArray[1][0] = 2
iArray[1][1] = 4
iArray[1][2] = 6
```

```
*****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 !!!
Displaying 2D Array :
iArray[0][0] = 1
iArray[0][1] = 2
iArray[0][2] = 3
iArray[0][3] = 4
iArray[0][4] = 5
iArray[0][5] = 6
iArray[0][6] = 7
iArray[0][7] = 8
iArray[1][0] = 2
iArray[1][1] = 4
iArray[1][2] = 6
iArray[1][3] = 8
iArray[1][4] = 10
iArray[1][5] = 12
iArray[1][6] = 14
iArray[1][7] = 16
iArray[2][0] = 3
iArray[2][1] = 6
iArray[2][2] = 9
iArray[2][3] = 12
iArray[2][4] = 15
```

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