

```
C:\MyProjects\rtr05-213\03_Assignments\upload13 part01\14-Pointers\03-Arrays\07-TwoDimensionalArrays\03-Simple2DArrayWithPointers\01-ColumnMemoryAllocation_One>cl.exe /c /EHsc /I \include ColumnMemoryAllocation_One.cpp
Microsoft (R) C/C++ Optimizing Compiler Version 19.36.32537 for x64
Copyright (C) Microsoft Corporation. All rights reserved.
```

```
ColumnMemoryAllocation_One.cpp
```

```
C:\MyProjects\rtr05-213\03_Assignments\upload13 part01\14-Pointers\03-Arrays\07-TwoDimensionalArrays\03-Simple2DArrayWithPointers\01-ColumnMemoryAllocation_One>link.exe ColumnMemoryAllocation_One.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\01-ColumnMemoryAllocation_One>ColumnMemoryAllocation_One.exe
```

```
Memory Allocation to the Column of 0 Row Succeeded !!!
```

```
Memory Allocation to the Column of 1 Row Succeeded !!!
```

```
Memory Allocation to the Column of 2 Row Succeeded !!!
```

```
Memory Allocation to the Column of 3 Row Succeeded !!!
```

```
Memory Allocation to the Column of 4 Row Succeeded !!!
```

```
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
```

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

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
```

```
iArray[2][0] = 3  
iArray[2][1] = 6  
iArray[2][2] = 9
```

```
iArray[3][0] = 4  
iArray[3][1] = 8  
iArray[3][2] = 12
```

```
iArray[4][0] = 5  
iArray[4][1] = 10  
iArray[4][2] = 15
```

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

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

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

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

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