```
C:\MyProjects\rtr05-213\03_CAssignments\upload13 part01\14-Pointers\03-Arrays\07-TwoDimensionalArrays\04-2DArrayUsingPointerToPointer>2DArrayUsingPointerToPointer.exe

Enter the number of Rows : 5


Enter the number of Columns : 3


*****Memory Allocation to 2D integer Array*****Memory Allocation to 5 Rows of 2D integer Array Succeeded !!! Exitting Now...

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 Values :

Base Address of Row 0 : SUM_ptr_iArray[0] = 000001ECF5450630     at address : 0000000300000000
Base Address of Row 1 : SUM_ptr_iArray[1] = 000001ECF5450638     at address : 0000000300000001
Base Address of Row 2 : SUM_ptr_iArray[2] = 000001ECF5450640     at address : 0000000300000002
Base Address of Row 3 : SUM_ptr_iArray[3] = 000001ECF5450648     at address : 0000000300000003
Base Address of Row 4 : SUM_ptr_iArray[4] = 000001ECF5450650     at address : 0000000300000004


SUM_ptr_iArray[0][0] = 1          at Address : 0000000000000000
SUM_ptr_iArray[0][1] = 2          at Address : 0000000100000000
SUM_ptr_iArray[0][2] = 3          at Address : 0000000200000000

SUM_ptr_iArray[1][0] = 2          at Address : 0000000000000001
SUM_ptr_iArray[1][1] = 4          at Address : 0000000100000001
SUM_ptr_iArray[1][2] = 6          at Address : 0000000200000001

SUM_ptr_iArray[2][0] = 3          at Address : 0000000000000002
SUM_ptr_iArray[2][1] = 6          at Address : 0000000100000002
```

```
Displaying Values :

Base Address of Row 0 : SUM_ptr_iArray[0] = 000001ECF5450630    at address : 0000000300000000
Base Address of Row 1 : SUM_ptr_iArray[1] = 000001ECF5450638    at address : 0000000300000001
Base Address of Row 2 : SUM_ptr_iArray[2] = 000001ECF5450640    at address : 0000000300000002
Base Address of Row 3 : SUM_ptr_iArray[3] = 000001ECF5450648    at address : 0000000300000003
Base Address of Row 4 : SUM_ptr_iArray[4] = 000001ECF5450650    at address : 0000000300000004


SUM_ptr_iArray[0][0] = 1          at Address : 0000000000000000
SUM_ptr_iArray[0][1] = 2          at Address : 0000000100000000
SUM_ptr_iArray[0][2] = 3          at Address : 0000000200000000

SUM_ptr_iArray[1][0] = 2          at Address : 0000000000000001
SUM_ptr_iArray[1][1] = 4          at Address : 0000000100000001
SUM_ptr_iArray[1][2] = 6          at Address : 0000000200000001

SUM_ptr_iArray[2][0] = 3          at Address : 0000000000000002
SUM_ptr_iArray[2][1] = 6          at Address : 0000000100000002
SUM_ptr_iArray[2][2] = 9          at Address : 0000000200000002

SUM_ptr_iArray[3][0] = 4          at Address : 0000000000000003
SUM_ptr_iArray[3][1] = 8          at Address : 0000000100000003
SUM_ptr_iArray[3][2] = 12         at Address : 0000000200000003

SUM_ptr_iArray[4][0] = 5          at Address : 0000000000000004
SUM_ptr_iArray[4][1] = 10         at Address : 0000000100000004
SUM_ptr_iArray[4][2] = 15         at Address : 0000000200000004

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!!!

Memory Allocated to SUM_ptr_iArray has been successfully Freed!!!

C:\MyProjects\rtr05-213\03_CAssignments\upload13 part01\14-Pointers\03-Arrays\07-TwoDimensionalArrays\04-2DArrayUsingPointerToPointer>
```