**2-D Array**

**C# version:**

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| **Ex14-05CS.cs** | |
| **Line#** | **Code** |
| 1  2  3  4  5  6  7  8  9  10  11  12  13  14  15  16  17  18  19  20  21  22 | using System;  namespace Ex14\_05CS {  class Program {  static void Main(string[] args) {  Console.WriteLine("2-D Array in C#");  int[,] mA = new int[,]{  {1,2},  {3,4},  {5,6},  };  Console.WriteLine("This array dimension is {0}", mA.Rank);  for(int r = 0; r < mA.GetLength(0); r++) {  for (int c = 0; c < mA.GetLength(1); c++) {  Console.Write("{0}\t", mA[r,c]);  }  Console.WriteLine();  }  Console.ReadKey();  }  }  } |

**C++ CLR version:**

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| **Ex14-05CPP.cpp** | |
| **Line#** | **Code** |
| 1  2  3  4  5  6  7  8  9  10  11  12  13  14  15  16  17  18  19  20 | #include "pch.h"  using namespace System;  int main(array<System::String ^> ^args){  Console::WriteLine("2-D Array in C++");  array<int,2>^ mA = gcnew array<int,2>{  {1,2},  {3,4},  {5,6},  };  Console::WriteLine("This array dimension is {0}", mA->Rank);  for (int r = 0; r < mA->GetLength(0); r++) {  for (int c = 0; c < mA->GetLength(1); c++) {  Console::Write("{0}\t", mA[r,c]);  }  Console::WriteLine();  }  Console::ReadKey();  } |