**Single Dimensional Array**

**C# version:**

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| **Ex14-04CS.cs** |
| **Line#** | **Code** |
| 12345678910111213141516171819202122 | using System;namespace Ex14\_04CS { class Program { static void Main(string[] args) { Console.WriteLine("Single Dimensional Array in C#"); int[] data1 = new int[3]; int[] data2 = new int[] { 7, 2, 5 }; int[] data3 = { 4, 6, 8, 1 }; foreach (int item in data1) Console.Write("{0}\t", item);  Console.WriteLine(); foreach (int item in data2) Console.Write("{0}\t", item);  Console.WriteLine(); foreach (var item in data3) Console.Write("{0}\t", item);  Console.WriteLine(); for (int i = 0; i < data3.Length; i++)  Console.Write("{0}\t", data3[i]); Console.ReadKey(); } }} |

**C++ CLR version:**

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| **Ex14-04CPP.cpp** |
| **Line#** | **Code** |
| 1234567891011121314151617181920 | #include "pch.h"using namespace System;int main(array<System::String ^> ^args){ Console::WriteLine("Single Dimensional Array in C++"); array<int>^ data1 = gcnew array<int>(3); array<int>^ data2 = gcnew array<int>{ 7, 2, 5 }; array<int>^ data3 = { 4, 6, 8, 1 }; for each(int item in data1) Console::Write("{0}\t", item);  Console::WriteLine(); for each(int item in data2) Console::Write("{0}\t", item);  Console::WriteLine(); for each(auto item in data3) Console::Write("{0}\t", item);  Console::WriteLine(); for (int i = 0; i < data3->Length; i++)  Console::Write("{0}\t", data3[i]); Console::ReadKey(); return 0;} |