**Single Dimensional Array**

**C# version:**

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| **Ex14-04CS.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\_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** |
| 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("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;  } |