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| |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **Introduction to C# Programming**  Lesson 1  Supplementary Material   |  | | --- | | [How to Write Pseudocode](http://www.minich.com/education/psu/cplusplus/stylesheets/pseudocode.htm)  http://www.minich.com/education/psu/cplusplus/stylesheets/pseudocode.htm | | Although there are no hard rules for writing pseudocode, this document gives some good direction on how to write good pseudocode. | | [Computer Languages History](http://www.levenez.com/lang/)  http://www.levenez.com/lang/ | | This site makes an attempt to list every computer language ever created and plots them on a timeline. It also provides links to each language, where a description of that language exists | | [Visual C# .NET Express Edition](http://www.microsoft.com/express/vcsharp/)  http://www.microsoft.com/express/vcsharp/ | | This page will allow you to download the Express Edition (which is free) of Microsoft's Visual C#. This download includes the C# compiler along with an Integrated Development Environment (IDE). We'll be using the compiler for this course but NOT this or any other IDE.   If you choose to install this download, you will NOT need to download the "Redistributable Package." | | [Microsoft .NET Framework 3.5 Redistributable Package](http://www.microsoft.com/downloads/details.aspx?FamilyId=333325FD-AE52-4E35-B531-508D977D32A6&displaylang=en)  http://www.microsoft.com/downloads/details.aspx?FamilyId=333325FD-AE52-4E35-B531-508D977D32A6&displaylang=en | | If you have some extra time, you may want to follow this link to the Microsoft site where you can download the C# compiler (and other things), if you have not already done so. This "Redistributable Package" will contain all of the files necessary to compile the C# programs for this course.  **Note**: Please be sure that you run Windows Update (**Start** > **All Programs** > **Windows Update**) on your machine before installing the Redistributable Package. | | |

Lesson 2   
Supplementary Material

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| [Microsoft .NET Framework 3.5 Redistributable Package](http://www.microsoft.com/downloads/details.aspx?FamilyId=333325FD-AE52-4E35-B531-508D977D32A6&displaylang=en)  http://www.microsoft.com/downloads/details.aspx?FamilyId=333325FD-AE52-4E35-B531-508D977D32A6&displaylang=en |
| This "Redistributable Package" will contain all of the files necessary to compile the C# programs for this course.  **Note**: Please be sure that you run Windows Update (**Start** > **All Programs** > **Windows Update**) on your machine before installing the Redistributable Package. |
| [Visual C# Express Edition Download](http://www.microsoft.com/express/vcsharp/)  http://www.microsoft.com/express/vcsharp/ |
| This is a link to the Visual C# Express Edition download. Realize that downloading this will give you the compiler (that is, you don't need to do this AND the redistributable package). The Express Edition contains the compiler and an Integrated Development Environment (IDE).  Please realize that this course does NOT use the IDE at all. In fact, if you do choose to download this, I strongly urge you not to use it for this course because it will create extra files and extra work for you. This will take away from your learning about the basics of programming with C#, which we do cover in this course.  If you have any further questions about this, or anything else, please post a message in the Discussion area. |

Lesson 3   
Supplementary Material

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| [All C# Variable Types](http://www.softsteel.co.uk/tutorials/csharp/lesson4.php)  http://www.softsteel.co.uk/tutorials/csharp/lesson4.php |
| This site provides a complete list of all possible data types and their complete range of values. |

Lesson 4   
Supplementary Material

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| [All Methods and Variables in Class Math](http://msdn.microsoft.com/en-us/library/system.math.aspx)  http://msdn.microsoft.com/en-us/library/system.math.aspx |
| This site lists all of the variables and method methods that are in class Math. Each method header is given. |

Lesson 5   
Supplementary Material

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| [Passing Variables](http://www.yoda.arachsys.com/csharp/parameters.html)  http://www.yoda.arachsys.com/csharp/parameters.html |
| This page discusses passing variables in C#. |
| [Method Overloading](http://www.csharpfriends.com/Articles/getArticle.aspx?articleID=105)  http://www.csharpfriends.com/Articles/getArticle.aspx?articleID=105 |
| More examples of method overloading. |

Lesson 6   
Supplementary Material

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| [C# Control Statement](http://www.csharp-station.com/Tutorials/Lesson03.aspx)  http://www.csharp-station.com/Tutorials/Lesson03.aspx |
| This page gives a different description of the if statement. It also includes a discussion of the switch statement, which will be covered later. |

Lesson 7   
Supplementary Material

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| [String Functions](http://msdn2.microsoft.com/en-us/library/system.string_members(vs.80).aspx)  http://msdn2.microsoft.com/en-us/library/system.string\_members(vs.80).aspx |
| This link is to the Microsoft Developer's Network (MSDN) site where all the different functions in class String are discussed. |

Lesson 8   
Supplementary Material

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| [Explanation of C# Loops with Examples](http://www.softsteel.co.uk/tutorials/csharp/lesson9.php)  http://www.softsteel.co.uk/tutorials/csharp/lesson9.php |
| This Web page gives a nice description of each type of loop, complete with a short example of each. |

Lesson 9

Supplementary Material

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| [Programming Arrays in C#](http://www.c-sharpcorner.com/UploadFile/mahesh/WorkingWithArrays11232005064036AM/WorkingWithArrays.aspx)  http://www.c-sharpcorner.com/UploadFile/mahesh/WorkingWithArrays11232005064036AM/WorkingWithArrays.aspx |
| This page starts with a short description of one-dimensional arrays and moves on to discuss multidimensional, jagged, and mixed arrays. It also lists methods and properties of the Array class. |

Lesson 10   
Supplementary Material

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| [DateTime Members](http://msdn.microsoft.com/en-us/library/system.datetime_members(VS.85).aspx)  http://msdn.microsoft.com/en-us/library/system.datetime\_members(VS.85).aspx |
| This page is from the MSDN site. It lists all of the member functions for the DateTime class. The left panel contains links to DateTime member variables also. |
| [Introduction to Classes](http://www.csharp-station.com/Tutorials/Lesson07.aspx)  http://www.csharp-station.com/Tutorials/Lesson07.aspx |
| This page describes object-oriented programming in a different fashion. |

Lesson 11   
Supplementary Material

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| [TextReader and TextWriter](http://www.c-sharpcorner.com/UploadFile/ggaganesh/TextReaderNWriterGAG12052005235609PM/TextReaderNWriterGAG.aspx)  http://www.c-sharpcorner.com/UploadFile/ggaganesh/TextReaderNWriterGAG12052005235609PM/TextReaderNWriterGAG.aspx |
| The page will show you a different way to do input and output with files. |

Lesson 12   
Supplementary Material

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| [Color Members](http://msdn.microsoft.com/en-us/library/system.drawing.color.aspx)  http://msdn.microsoft.com/en-us/library/system.drawing.color.aspx |
| This page will show you all of the built-in colors that are available to you. In addition, there is a way to create your own color by stating its red, green and blue values. |