

How to use the downloadable files for *Murach's C# 2010*

Thank you for downloading and unzipping the applications and exercises for *Murach's C# 2010*. If you have installed Visual Studio 2010 or C# 2010 Express Edition on your system, you are ready to begin working with many of these applications.

Before you begin working with the database applications presented in chapters 18-20, though, you must make sure that SQL Server 2008 Express is installed and running on your system. In addition, you must create the MMABooks database that's used by the applications in these chapters. This document describes how to do that.

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A summary of the files

When you executed the self-extracting zip file for *Murach's C# 2010*, all of the files for this book were installed on your computer. These files include:

- All of the applications presented in this book including source code and data
- The starting points and solutions for all of the exercises included in this book

By default, these files are installed into these subdirectories of the C:\Murach\C# 2010 directory:

Subdirectory	Description
Book applications	The applications that are described in this book. You can view this source code by opening the project or solution in the appropriate directory. Then, you can run these applications to see how they work. If you want, you can use the debugger to step through code to see how it works.
Database	Batch and script files that you can use to create the MMABooks database that's used by the applications presented in chapters 18-20.
Exercise starts	The unfinished applications that are the starting points for the exercises that are presented at the end of each chapter.
Exercise solutions	The applications that are the solutions to the exercises.

In addition, the source files for the exercise starts have been copied from the Exercise starts subdirectory to the C:\C# 2010 directory. That way, you can find all of the starting points for the exercises in directories like C:\C# 2010\Chapter 01 and C:\C# 2010\Chapter 02. These directories correspond with the directories described in the book.

How to install SQL Server 2008 Express

SQL Server 2008 Express Edition is a free, lightweight version of SQL Server 2008 that you can install on your PC. By default, SQL Server Express is installed when you install Visual Studio 2010. As a result, if you installed Visual Studio, SQL Server Express is probably already installed on your system. However, if you installed C# 2010 Express Edition, you may need to download the setup file for SQL Server 2008 Express from Microsoft's web site. Then, you can run this file to install SQL Server Express.

How to make sure SQL Server Express is running

After you install SQL Server Express, it should start automatically each time you start your PC. To be sure it's running, you can use the SQL Server Configuration Manager. To start this service, use the Start→All Programs→Microsoft SQL Server 2008→Configuration Tools→SQL Server Configuration Manager command. Then, select SQL Server Services in the left pane to display the available services in the right pane. If the SQL Server (SQLEXPRESS) service is paused or stopped, select that service and then click the Start Service button in the toolbar.

How to use Windows Explorer to create the MMABooks database

The easiest way to create the MMABooks database is to run the batch file we provide from Windows Explorer. To do that, just follow these steps:

1. Use Windows Explorer to navigate to the C:\Murach\C# 2010\Database directory.
2. Double-click the create_database.bat file to run it. This should execute the create_database.sql file, which creates the MMABooks database on the local machine.

If the batch and script files run successfully, you can use Visual Studio to run the database applications presented in this book.

Note that the batch file won't work if the database server on your system has a name other than the computer name appended with \SqlExpress. But you can easily change it so it will work. To do that, just open the file in a text editor such as NotePad. When you do, you'll see a single command with this server specification:

```
sqlcmd -S localhost\SQLExpress -E /I create_database.sql
```

Then, you can just change this specification to the name of your server.

How to restore the MMABooks database

If you need to restore the original MMABooks database, you can do that by running the create_database.bat file again. This works because the script file this file runs starts by checking if the database already exists, and it deletes the database if it does exist. Then, it recreates the database using the original data.

Another way to work with SQL Server Express

For the purposes of this book, once you use the bat and sql files described above to create the MMABooks database, you don't need to work with the database any further. However, if you want to use a graphical tool to work with the database, you can download SQL Server Management Studio Express from the web. This graphical management tool lets you connect to an instance of SQL Server Express and work with the databases that are running on that server.