

## How to Use Sample Databases

Three sample databases that are related to three different database engines such as Microsoft Access, Microsoft SQL Server 2005 and Oracle Database 10g Express Edition (XE) are provided for this book and they can be used by all projects developed in this book.

These three sample database files are located under three different folders that are at the site: [www.cambridge.org/9780521712354/database](http://www.cambridge.org/9780521712354/database). The names of three folders are:

- **Access** – contains the Microsoft Access sample database file:  
CSE\_DEPT.mdb
- **SQLServer** – contains the Microsoft SQL Server 2005 database file:  
CSE\_DEPT.mdf
- **Oracle** – contains a group of table files related to database CSE\_DEPT

To use these three sample database files, one needs to follow the different instructions discussed below. The prerequisite to use these sample databases is that three Database Management Systems (DBMS) must have been installed in your machine. Three DBMS include Microsoft Access, Microsoft SQL Server 2005 Management Studio Express and Oracle Database 10g Express Edition (XE). Refer to Appendices B and C to finish installing Microsoft SQL Server 2005 Management Studio Express and Oracle Database 10g XE if you have not installed those DBMS. For Microsoft Access, it should have been installed in your machine when Microsoft Office is installed.

### F.1 Use Microsoft Access Sample Database File

The Microsoft Access sample database file CSE\_DEPT.mdb is located at the site: [www.cambridge.org/9780521712354/database/Access](http://www.cambridge.org/9780521712354/database/Access). To use this database file in any sample database programming project that used a OleDb Data Provider in this book, you need to perform the following operations:

1. Create a new folder named **database** in your root drive such as C:/.
2. Copy the sample database file CSE\_DEPT.mdb from the site above and paste it to your new created folder **database** in step 1.

Refer to section 4.2.2.2 in Chapter 4 to add this database file as a new Data Source into your sample project if you want to develop a data-driven application using Visual Basic.NET Design Tools and Wizards method.

Refer to section 4.18.1 in Chapter 4 to add this database file as a new Data Source into your sample project if you want to develop a data-driven application using Run-Time object method.

### F.2 Use Microsoft SQL Server 2005 Database File

The Microsoft SQL Server sample database file CSE\_DEPT.mdf is located at the site: [www.cambridge.org/9780521712354/database/SQLServer](http://www.cambridge.org/9780521712354/database/SQLServer). To use this database file in

any sample database programming project that used a SQL Server Data Provider in this book, you need to perform the following operations (suppose the Microsoft SQL Server 2005 Management Studio Express has been installed in your machine):

1. Copy the sample database file CSE\_DEPT.mdf from the site above and paste it to the Microsoft SQL Server 2005 Management Studio Express default database file folder, which is: C:\Program Files\Microsoft SQL Server\MSSQL.1\MSSQL\Data in your machine.

Refer to section 4.4.1 in Chapter 4 to add this database file as a new Data Source into your sample project if you want to develop a data-driven application using Visual Basic.NET Design Tools and Wizards method.

Refer to section 4.18.1 in Chapter 4 to add this database file as a new Data Source into your sample project if you want to develop a data-driven application using Run-Time object method.

### F.3 Use Oracle 10g XE Database File

The Oracle 10g XE sample database file is composed of a group of related Data Table files and it is located at the site: [www.cambridge.org/9780521712354/database/Oracle](http://www.cambridge.org/9780521712354/database/Oracle). Each Data Table file is a text file and it is related to a Data Table object, and totally we have five data table files for this sample database CSE\_DEPT:

- login.txt
- faculty.txt
- course.txt
- student.txt
- studentcourse.txt

Each Data Table file is related to a real data table in this sample database and it was obtained using the Unload method from our sample database CSE\_DEPT in Oracle Database 10g XE environment.

To use this database file in any sample database programming project that used an Oracle Data Provider in this book, you need to perform the following operations (suppose the Oracle Database 10g Express Edition has been installed in your machine):

1. Create a new user or user account named CSE\_DEPT in Oracle Database 10g XE (refer to the first part on Appendix D).
2. Load five Data Table files listed above from the site above to this new user or user account CSE\_DEPT (refer to the second part on Appendix D).
3. Setup the relationships between these five data tables using the Constraints tab in Oracle Database 10g XE environment (refer to section 2.11.4 in Chapter 2).

Refer to Appendix E to add this database file as a new Data Source into your sample project if you want to develop a data-driven application using Visual Basic.NET Design Tools and Wizards method.

Refer to sections 4.18.1 and 4.19.2 in Chapter 4 to add this database file as a new Data Source into your sample project if you want to develop a data-driven application using Run-Time object method.