

Sams Teach Yourself SQL in 24 Hours Sixth Edition

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When reviewing corrections, always check the print number of your book. Corrections are made to printed books with each subsequent printing.

First Printing:

Corrections for all Printings

Pg	Error	Correction
iv and xiii	<i>Front Matter: Please add text paragraph after TOC—Add 3 line spaces between the last TOC entry and the new paragraph</i>	<i>Front Matter: Add the following after last TOC entry:</i> BONUS FILES: Register your book at informit.com/register for convenient access to downloads, updates, and corrections as they become available. To start the registration process, go to informit.com/register and log in or create an account*. Enter the product ISBN, 9780672337598, and click Submit. Once the process is complete, you will find any available bonus content under Registered Products.
Pg 17	<i>Hour 1, Exercise 3:</i> "one of the three database implementations..."	<i>Hour 1, Exercise 3:</i> "one of the two database implementations..."

51-53 Hour 3, Exercises:

Exercises

In this exercise, you create all the tables in the database to set up the environment for later. In addition, you execute several commands that allow you to investigate the table structure in an existing database. For thoroughness we have provided instructions for each of the implementations (Microsoft SQL Server and Oracle) because each is slightly different in its approach.

Microsoft SQL Server

Bring up a command prompt and use the following syntax to log on to your local SQL Server instance, replacing `username` with your username and `password` with your password. Ensure that you do not leave a space between `-p` and your password.

```
SQLCMD -S localhost -U username -Ppassword
```

At the `1>` command prompt, enter the following command to tell SQL Server that you want to use the database you created previously. Remember that with `SQLCMD` you must use the keyword `GO` to tell the command tool that you want the previous lines to execute.

```
1>use learnsql;  
2>GO
```

Now go to Appendix D, “Bonus Exercises,” to get the DDL for the tables used in this book. At the `1>` prompt, enter each `CREATE TABLE` statement. Be sure to include a semicolon at the end of each `CREATE TABLE` statement and follow up with the keyword `GO` to have your statement execute. The tables that you create are used throughout the book.

At the `1>` prompt, enter the following command to get a list of your tables. Follow this command with the keyword `GO`:

```
Select name from sys.tables;
```

At the `1>` prompt, use the `sp_help` stored procedure to list the columns and their attributes for each one of the tables you created. For example:

```
Sp_help_ trips;  
Sp_help flights;
```

Hour 3, Exercises:

Exercises

In this exercise, you create all the tables in the database to set up the environment for later. In addition, you execute several commands that allow you to investigate the table structure in an existing database. For thoroughness, we have provided instructions for each of the implementations (Microsoft SQL Server and Oracle) because each is slightly different in its approach.

Microsoft SQL Server

First, you need to download the appropriate script file containing the DDL to create the tables and data used in this book. To do this, go to www.informit.com/register, follow the instructions to create an account, and register your copy of this book. Once you are able to access the bonus content for this book, download the `TYSQL6e_MS-SQL-Code.zip` file to your computer. Open the file to access `CanaryAirlineScript.sql`.

To execute this script file, open SQL Server Management Studio (SSMS) on your computer. Click File, then Open, then File. Navigate to where you downloaded the file `CanaryAirlineScript.sql`. Choose Open. The script should now appear in a query window. Click on Execute to run the script. Upon execution of this script, the sample tables are created and the corresponding data is loaded into the tables for use in subsequent chapters. You should be able to see and query your tables from within SSMS.

Oracle

First, you will need to download the appropriate script file containing the DDL to create the tables and data used in this book. To do this, go to www.informit.com, follow the instructions to create an account, and register your copy of this book. Once you are able to access the bonus content for this book, download the file `TYSQL6e_Oracle.zip` to your computer. Open the file to access `TYSQL6e-Oracle Code.sql`.

Bring up an Oracle SQL command prompt, and use the following syntax to log on to your local Oracle instance. You are prompted to enter your username and password.

```
sqlplus
```

Type the following command at the `SQL>` prompt to execute the script file:

If you have errors or typos, simply re-create the appropriate table(s). If the table was successfully created but has typos (perhaps you did not properly define a column or forgot a column), drop the table and issue the `CREATE TABLE` command again. The syntax of the `DROP TABLE` command follows:

```
drop table flights;
```

Oracle

Bring up a command prompt, and use the following syntax to log on to your local Oracle instance. You are prompted to enter your username and password.

```
sqlplus
```

Now go to Appendix D to get the DDL for the tables used in this book. At the `SQL>` prompt, enter each `CREATE TABLE` statement. Be sure to include a semicolon at the end of each `CREATE TABLE` statement. The tables that you create are used throughout the book.

At the `SQL>` prompt, enter the following command to get a list of your tables:

```
Select * from cat;
```

If all tables were successfully created, you should see the following output:

```
SQL> SELECT * FROM CAT;
```

TABLE_NAME	TABLE_TYPE
TRIPS	TABLE
TRIPITINERARY	TABLE
ROUTES	TABLE
RICH_EMPLOYEES	TABLE
PASSENGERS	TABLE
HIGH_SALARIES	TABLE
FLIGHTSTATUSES	TABLE
FLIGHTS	TABLE
EMPLOYEE_MGR	TABLE
EMPLOYEES	TABLE
EMPLOYEEPOSITIONS	TABLE
COUNTRIES	TABLE
AIRPORTS	TABLE
AIRCRAFTFLEET	TABLE
AIRCRAFT	TABLE

```
15 rows selected.
```

```
Start TYSQL6e_Oracle.sql;
```

Upon execution of this script, the sample tables are created and the corresponding data is loaded into the tables for use in subsequent chapters.

At the `SQL>` prompt, enter the following command to get a list of your tables:

```
Select * from cat;
```

If all tables were successfully created, you should see the following output:

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SQL> SELECT * FROM CAT;
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TABLE_NAME	TABLE_TYPE
TRIPS	TABLE
TRIPITINERARY	TABLE
ROUTES	TABLE
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HIGH_SALARIES	TABLE
FLIGHTSTATUSES	TABLE
FLIGHTS	TABLE
EMPLOYEE_MGR	TABLE
EMPLOYEES	TABLE
EMPLOYEEPOSITIONS	TABLE
COUNTRIES	TABLE
AIRPORTS	TABLE
AIRCRAFTFLEET	TABLE
AIRCRAFT	TABLE

```
15 rows selected.
```

At the `SQL>` prompt, use the `DESCRIBE` command (`desc` for short) to list the columns and their attributes for each one of the tables you created. For example:

```
DESCRIBE FLIGHTS;
```

returns the following output:

Name	Null?	Type
FLIGHTID	NOT NULL	NUMBER(10)
FLIGHTSTART		DATE
FLIGHTEND		DATE
FLIGHTDURATION		NUMBER(5)
ROUTEID		NUMBER(10)
AIRCRAFTFLEETID		NUMBER(10)
STATUSCODE		CHAR(3 CHAR)

If you have errors or typos, simply re-create the appropriate table(s). If the table was successfully created but has typos (perhaps you did not properly

	<p>At the SQL> prompt, use the DESCRIBE command (desc for short) to list the columns and their attributes for each one of the tables you created. For example:</p> <pre>DESCRIBE FLIGHTS;</pre> <p>returns the following output:</p> <pre>Name Null? Type ----- FLIGHTID NOT NULL NUMBER(10) FLIGHTSTART DATE FLIGHTEND DATE FLIGHTDURATION NUMBER(5) ROUTEID NUMBER(10) AIRCRAFTFLEETID NUMBER(10) STATUSCODE CHAR(3) CHAR)</pre> <p>If you have errors or typos, simply re-create the appropriate table(s). If the table was successfully created but has typos (perhaps you did not properly define a column or forgot a column), drop the table, and issue the CREATE TABLE command again. The syntax of the DROP TABLE command follows:</p> <pre>DROP TABLE FLIGHTS;</pre>	<p>define a column or forgot a column), drop the table, and issue the CREATE TABLE command again. The syntax of the DROP TABLE command follows:</p> <pre>DROP TABLE FLIGHTS;</pre>
<p>363</p>	<p>Appendix B: Oracle 10g Express Edition</p>	<p>Appendix B: Oracle 11g Express Edition</p>

This errata sheet is intended to provide updated technical information. Spelling and grammar misprints are updated during the reprint process, but are not listed on this errata sheet.