

Microsoft® SQL Server® 2008 T-SQL Fundamentals

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To ensure the ongoing accuracy of this book and its companion content, we've reviewed and confirmed the errors listed below. If you find a new error, we hope you'll report it to us on our website: www.microsoftpressstore.com/contact-us/errata.

Page	Location	Description	Date corrected
xi-xii	Table of Contents, page references of Chapter 10 through end	Beginning with the Chapter 10 page entries, all page entries are behind by 2. For example, 319 should be 321, 322 should be 324, and so on.	
15	Second bulleted item	<p>Reads: Resource The Resource database was added as of SQL Server 2005 and it holds all system objects. When you query metadata information in a database, this information appears to be local to the database but in practice it resides in the Resource database.</p> <p>Should read: Resource The Resource database is a hidden, read-only database that was added as of SQL Server 2005 and it holds the definitions of all system objects. When you query system objects in a database, they appear to reside in the sys schema of the local database, but in practice their definitions reside in the Resource database.</p>	
47	Third paragraph	<p>The following paragraph is irrelevant and should be disregarded: Note that the reason that I specified the decimal value 100. (one hundred dot) in the expressions instead of the integer 100 is in order to cause implicit conversion of the integer values val and SUM(val) to decimal values. Otherwise, the division would have been an integer division and the fractional part would have been truncated.</p>	
47	Last code block, fifth line	<p>Reads: NTILE(100) OVER(ORDER BY val) AS ntile</p> <p>Should read: NTILE(10) OVER(ORDER BY val) AS ntile</p>	
53	Step 3	<p>Reads: 3. + (Positive), - (Negative), + (Add), + (Concatenate), - (Subtract)</p> <p>Should read: 3. + (Positive), - (Negative), + (Add), + (Concatenate), - (Subtract)</p>	

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57	Throughout both code blocks	<p>All occurrences that read: Less than 1000</p> <p>Should read: Less than 1000</p>	
62	Last paragraph, first sentence	<p>Reads: You assume that SQL Server evaluates the expressions from left to right, and that if the expression $col1 <>$ evaluates to FALSE, SQL Server will short-circuit; that is, it doesn't bother to evaluate the expression $10/col1 > 2$ because at this point it is known that the whole expression is FALSE.</p> <p>Should read: You assume that SQL Server evaluates the expressions from left to right, and that if the expression $col1 <>$ evaluates to FALSE, SQL Server will short-circuit; that is, it doesn't bother to evaluate the expression $col2/col1 > 2$ because at this point it is known that the whole expression is FALSE.</p>	
63	First and third paragraphs	<p>First paragraph, last sentence reads: You can see that if SQL Server decides to process the expression $10/col1 > 2$ first, this query might fail because of a divide-by-zero error.</p> <p>Should read: You can see that if SQL Server decides to process the expression $col2/col1 > 2$ first, this query might fail because of a divide-by-zero error.</p> <p>Third paragraph, second sentence reads: Only if the first CASE expression does not evaluate to TRUE—meaning that $col1$ is not 0—does the second WHEN clause check whether the expression $10/col1 > 2$ evaluates to TRUE.</p> <p>Should read: Only if the first CASE expression does not evaluate to TRUE—meaning that $col1$ is not 0—does the second WHEN clause check whether the expression $col2/col1 > 2$ evaluates to TRUE.</p>	

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76	Paragraph after Table 2-1	<p>Reads: The storage requirements for the last three data types in Table 2-1 (TIME, DATETIME2, and DATETIMEOFFSET) depend on the accuracy you choose. You specify the accuracy as an integer in the range 0 to 7 representing the fractional second precision. For example, TIME(0) means 0 fractional second precision—in other words, one-second accuracy. TIME(3) means one-millisecond accuracy, and TIME(7) means 100-nanosecond accuracy. If you don't specify a fractional second precision, SQL Server assumes 7 by default with all three aforementioned types.</p> <p>Should read: The storage requirements for the last three data types in Table 2-1 (TIME, DATETIME2, and DATETIMEOFFSET) depend on the precision you choose. You specify the precision as an integer in the range 0 to 7 representing the fractional second precision. For example, TIME(0) means 0 fractional second precision—in other words, one-second precision. TIME(3) means one-millisecond precision, and TIME(7) means 100-nanosecond precision. If you don't specify a fractional second precision, SQL Server assumes 7 by default with all three aforementioned types.</p>	
77	First full paragraph, fourth sentence	<p>Reads: SQL Server defines precedence among datatypes, and will usually implicitly convert...</p> <p>Should read: SQL Server defines precedence among datatypes, and will usually implicitly convert the...</p>	
87	First "Syntax" line	<p>Reads: DATEPART(dt_val, part)</p> <p>Should read: DATEPART(part, dt_val)</p>	
88	First syntax entry	<p>Reads: DATENAME(dt_val, part)</p> <p>Should read: DATENAME(part, dt_val)</p>	
98	Solution 5, first sentence	<p>Reads: Because the request involves activity in the year 2004, the query should have a WHERE clause with the appropriate date range filter (orderdate >= '20040101' AND orderdate < '20050101').</p> <p>Should read: Because the request involves activity in the year 2007, the query should have a WHERE clause with the appropriate date range filter (orderdate >= '20070101' AND orderdate < '20080101').</p>	

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117	Last paragraph, first sentence	<p>Reads: The next step is to extend the previous query, adding a left outer join between Nums and the Orders tables.</p> <p>Should read: The next step is to extend the previous query, adding a left outer join between the Nums and Orders tables.</p>	
141	Third paragraph, first sentence	<p>Reads: This query returns the order ID 10274. The outer row's order ID—10248—is compared with the inner one—10274—and because there's no match in this case, the outer row is filtered out.</p> <p>Should read: This query returns the order ID 10739. The outer row's order ID—10248—is compared with the inner one—10739—and because there's no match in this case, the outer row is filtered out.</p>	
157	Step 4, third sentence	<p>Reads: ...because the same country can have more than one query.</p> <p>Should read: ...because the same country can have more than one customer.</p>	
157	Solutions 3 and 4	<p>Solution 3 reads: Write an outer query against the Employees table returning employees whose IDs appear in the set of employee IDs returned by the subquery.</p> <p>Should read: Write an outer query against the Employees table returning employees whose IDs do not appear in the set of employee IDs returned by the subquery.</p> <p>Solution 4 reads: Write an outer query against the Customers table that filters only customer rows where the country attribute appears in the set of countries returned by the subquery.</p> <p>Should read: Write an outer query against the Customers table that filters only customer rows where the country does not appear in the set of countries returned by the subquery.</p>	
157	Third sentence of Item 4	<p>Reads: ...because the same country can have more than one query.</p> <p>Should read: ...because the same country can have more than one customer.</p>	

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174	Fourth line of last code sample	<p>Reads: SELECT TOP (100)</p> <p>Should read: SELECT TOP (100) PERCENT</p>	
188	Exercise 5-2	<p>Reads: Using the CROSS APPLY operator and the function you created in Exercise 4-1, return, for each supplier, the two most expensive products.</p> <p>Should read: Using the CROSS APPLY operator and the function you created in Exercise 5-1, return, for each supplier, the two most expensive products.</p>	
194	"The UNION Set Operation" paragraph, last sentence	<p>Reads: The area marked with diagonal lines represents the result of the set operation.</p> <p>Should read: The area marked with a gray background represents the result of the set operation.</p>	
209	Second line	<p>Reads: ...before the rows from Customers,...</p> <p>Should read: ...before the rows from Suppliers,...</p>	
209	Second line	<p>Reads: ...before the rows from Customers,...</p> <p>Should read: ...before the rows from Shippers,...</p>	

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215	Sample code output at bottom of page	<p>Reads:</p> <table border="1"> <thead> <tr> <th>orderid</th> <th>orderdate</th> <th>empid</th> <th>custid</th> <th>qty</th> </tr> </thead> <tbody> <tr><td>10001</td><td>2007-12-24 00:00:00.000</td><td>2</td><td>A</td><td>12</td></tr> <tr><td>10005</td><td>2007-12-24 00:00:00.000</td><td>1</td><td>B</td><td>20</td></tr> <tr><td>10006</td><td>2008-01-18 00:00:00.000</td><td>1</td><td>C</td><td>14</td></tr> <tr><td>20001</td><td>2008-02-12 00:00:00.000</td><td>2</td><td>B</td><td>12</td></tr> <tr><td>20002</td><td>2009-02-16 00:00:00.000</td><td>1</td><td>C</td><td>20</td></tr> <tr><td>30001</td><td>2007-08-02 00:00:00.000</td><td>3</td><td>A</td><td>10</td></tr> <tr><td>30003</td><td>2009-04-18 00:00:00.000</td><td>2</td><td>B</td><td>15</td></tr> <tr><td>30004</td><td>2007-04-18 00:00:00.000</td><td>3</td><td>C</td><td>22</td></tr> <tr><td>30007</td><td>2009-09-07 00:00:00.000</td><td>3</td><td>D</td><td>30</td></tr> <tr><td>40001</td><td>2008-01-09 00:00:00.000</td><td>2</td><td>A</td><td>40</td></tr> <tr><td>40005</td><td>2009-02-12 00:00:00.000</td><td>3</td><td>A</td><td>10</td></tr> </tbody> </table> <p>Should read:</p> <table border="1"> <thead> <tr> <th>orderid</th> <th>orderdate</th> <th>empid</th> <th>custid</th> <th>qty</th> </tr> </thead> <tbody> <tr><td>10001</td><td>2007-12-24</td><td>2</td><td>A</td><td>12</td></tr> <tr><td>10005</td><td>2007-12-24</td><td>1</td><td>B</td><td>20</td></tr> <tr><td>10006</td><td>2008-01-18</td><td>1</td><td>C</td><td>14</td></tr> <tr><td>20001</td><td>2008-02-12</td><td>2</td><td>B</td><td>12</td></tr> <tr><td>20002</td><td>2009-02-16</td><td>1</td><td>C</td><td>20</td></tr> <tr><td>30001</td><td>2007-08-02</td><td>3</td><td>A</td><td>10</td></tr> <tr><td>30003</td><td>2009-04-18</td><td>2</td><td>B</td><td>15</td></tr> <tr><td>30004</td><td>2007-04-18</td><td>3</td><td>C</td><td>22</td></tr> <tr><td>30007</td><td>2009-09-07</td><td>3</td><td>D</td><td>30</td></tr> <tr><td>40001</td><td>2008-01-09</td><td>2</td><td>A</td><td>40</td></tr> <tr><td>40005</td><td>2009-02-12</td><td>3</td><td>A</td><td>10</td></tr> </tbody> </table>	orderid	orderdate	empid	custid	qty	10001	2007-12-24 00:00:00.000	2	A	12	10005	2007-12-24 00:00:00.000	1	B	20	10006	2008-01-18 00:00:00.000	1	C	14	20001	2008-02-12 00:00:00.000	2	B	12	20002	2009-02-16 00:00:00.000	1	C	20	30001	2007-08-02 00:00:00.000	3	A	10	30003	2009-04-18 00:00:00.000	2	B	15	30004	2007-04-18 00:00:00.000	3	C	22	30007	2009-09-07 00:00:00.000	3	D	30	40001	2008-01-09 00:00:00.000	2	A	40	40005	2009-02-12 00:00:00.000	3	A	10	orderid	orderdate	empid	custid	qty	10001	2007-12-24	2	A	12	10005	2007-12-24	1	B	20	10006	2008-01-18	1	C	14	20001	2008-02-12	2	B	12	20002	2009-02-16	1	C	20	30001	2007-08-02	3	A	10	30003	2009-04-18	2	B	15	30004	2007-04-18	3	C	22	30007	2009-09-07	3	D	30	40001	2008-01-09	2	A	40	40005	2009-02-12	3	A	10	
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217	Last line on the page	<p>Reads:</p> <p>You achieve this is by not applying the PIVOT operator to the original</p> <p>Should read:</p> <p>You achieve this by not applying the PIVOT operator to the original</p>																																																																																																																									
221	Second full sentence	<p>Reads:</p> <p>You need apply a cross join between the EmpCustOrders table and a table that has a row for each customer.</p> <p>Should read:</p> <p>You need to apply a CROSS JOIN between the EmpCustOrders table and a table that has a row for each customer.</p>																																																																																																																									
230	Second paragraph, last sentence	<p>Reads:</p> <p>The grouping set (a, c) is represented by the integer 10 (1×8 + 0×4 + 1×2 + 0×1), and so on.</p> <p>Should read:</p> <p>The grouping set (a, c) is represented by the integer 5 (0×8 + 1×4 + 0×2 + 1×1), and so on.</p>																																																																																																																									

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329	First code block, third line	<p>Reads: PRINT 'Today is not the first day of the month.'</p> <p>Should read: PRINT 'Today is not the first day of the month.';</p>	
329	Lines 5 and 6	<p>Reads: BACKUP DATABASE TSQLFundamentals2008 TO DISK = 'C:\Temp\TSQLFundamentals2008_Diff.BAK' WITH INIT;</p> <p>Should read: BACKUP DATABASE TSQLFundamentals2008 TO DISK = 'C:\Temp\TSQLFundamentals2008_Diff.BAK' WITH INIT, DIFFERENTIAL;</p>	
333	Code block, third-to-last line	<p>Reads: @ordermonth DATETIME,</p> <p>Should read: @ordermonth AS DATETIME,</p>	
347	First paragraph, first sentence	<p>Reads: As of SQL Server 2005 you can chose whether to develop a routine with T-SQL or with .NET code based on the Common Language Runtime (CLR) integration in the product.</p> <p>Should read: As of SQL Server 2005, you can choose whether to develop a routine with T-SQL or with .NET code based on the Common Language Runtime (CLR) integration in the product.</p>	
348	First paragraph, first sentence	<p>Reads: The function calculates the age as the difference, in terms of years, between the birth year and the event year, minus 1 year in case within the year, the event month and day is smaller than the birth month and day.</p> <p>Should read: The function calculates the age as the difference, in terms of years, between the birth year and the event year, minus 1 year in case within the year, the event month and day is earlier than the birth month and day.</p>	
371	Figure A-11	<p>Middle table name reads: Sales.OrdersDetails</p> <p>Should read: Sales.OrderDetails</p> <p>Bottom-middle table name reads: Production, Products</p> <p>Should read: Production.Products</p>	