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Databases  
5/30/2021

Week4 Exercises

A.1

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A.2 Write a SELECT statement that answers this question: Which invoices have a PaymentTotal that's greater than the average PaymentTotal for all paid invoices? Return the InvoiceNumber and InvoiceTotal for each invoice.

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A.5 Write a SELECT statement that returns four columns: VendorName, InvoiceID, InvoiceSequence, and InvoiceLineItemAmount for each invoice that has more than one line item in the InvoiceLineItems table. Hint: Use a subquery that tests for InvoiceSequence > 1.

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B.1 Write SELECT INTO statements to create two test tables named VendorCopy and InvoiceCopy that are complete copies of the Vendors and Invoices tables. If VendorCopy and InvoiceCopy already exist, first code two DROP TABLE statements to delete them.

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B.6 Write an UPDATE statement that modifies the InvoiceCopy table. Change TermsID to 2 for each invoice that's from a vendor with a DefaultTermsID of 2. Use a subquery.

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B.7 Solve exercise 6 using a join rather than a subquery.

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C1. Write a SELECT statement that returns four columns based on the InvoiceTotal column of the Invoices table:

Use the CAST function to return the first column as data type decimal with 2 digits to the right of the decimal point.

Use CAST to return the second column as a varchar.

Use the CONVERT function to return the third column as the same data type as the first column.

Use CONVERT to return the fourth column as a varchar, using style 1.