

20221 CSCI3700 Lab Assignment 3: SELECT

Ex 3-9

Write a SELECT statement that returns one column from the Vendors table named full_name that joins the vendor_contact_last_name and vendor_contact_first_name columns.

Format this column with the last name, a comma, a space, and the first name like this:

Doe, John

Sort the result set by last name and then first name in ascending sequence.

Return only the contacts whose last name begins with the letter A, B, C, or E. This should retrieve 41 rows.

Ex 3-11

Write a SELECT statement that returns these columns from the Invoices table:

Invoice_number	The invoice_number column
Invoice_total	The invoice_total column
payment_credit_total	Sum of the payment_total and credit_total columns
balance_due	The invoice_total column minus the payment_total and credit_total columns.

Return only invoices that have a balance due that is greater than \$50.

Sort the result set by balance due in descending sequence.

Use the LIMIT clause so the result set contains only the rows with the 5 largest balances.

Ex 4-2

Write a SELECT statement that returns these four columns:

vendor_name	The vendor_name column from the Vendors table
invoice_number	The invoice_number column from the Invoices table
invoice_date	The invoice_date column from the Invoices table
balance_due	The invoice_total column minus the payment_total and credit_total columns from the Invoices table.

Use these aliases for the tables: v for Vendors and i for Invoices.

Return one row for each invoice with a non-zero balance.

This should return 11 rows.

Sort the result set by vendor_name in ascending order.

Ex 4-4

Write a SELECT statement that returns these five columns:

vendor_name	The vendor_name column from the Vendors table
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invoice_date	The invoice_date column from the Invoices table
invoice_number	The invoice_number column from the Invoices table
li_sequence	The invoice_sequence column from the Invoice_Line_items table
li_amount	The line_item_amount column from the Invoice_Line_Items table.

Use aliases for the tables.

This should return 118 rows.

Sort the final result set by vendor_name, invoice_date, invoice_number, and invoice_sequence.

Total points	100
Exercise 1	20
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