

Comp 269 Database Concepts Spring 2016

1) Display all invoices where we owe \$500 or more (after payments and credits). Sort by the amount owed in descending order. Create proper aliases for column headings.

Returns 4 rows

Filter:			
	Invoice Number	Date	Amount Due
►	P-0608	2014-07-23	19351.18
	0-2436	2014-07-31	10976.06
	31361833	2014-07-21	579.42
	9982771	2014-07-24	503.20

2) Display all payment_totals from the invoices table where the payment_total is odd and greater than 100. Sort by payment_total in descending order. Create proper aliases for column headings.

Return 6 rows

Invoice Number	Invoice Amount
56	2433.00
47	1575.00
76	241.00
69	175.00
25	129.00
84	111.00

3) Display vendor contact information as it appears below. Display only vendors from NJ. Create proper aliases for column headings.

Return 4 Rows

Vendor Contact Information
Michelle Marks // Newbrige Book Clubs // (800) 555-9980
Ingrid Neil // Rich Advertising // (201) 555-9742
Marjorie Essence // RR Bowker // (800) 555-8110
Daniel Bradlee // Simon Direct Inc // (908) 555-7222

4) Select all the vendor contacts in the vendors table where the first initial of the vendors first name matches the first initial of the city the vendor company is located in. Create proper aliases for column headings.

Returns 2 rows

First Name	Last Name	City
Abe	Regging	Ann Arbor
Fyodor	Finklestein	Fresno

5) List all the invoices from Federal Express Corporation. Sort by invoice_id. Create proper aliases for column headings. Return only five rows.

Vendor Name	Invoice Number
Federal Express Corporation	1-200-5164
Federal Express Corporation	1-202-2978
Federal Express Corporation	2-000-2993
Federal Express Corporation	263253241
Federal Express Corporation	263253243

6) List the first names of the vendors where other vendors have the same first name. Create proper aliases for column headings

Return 3 rows.

Vendors with same first name
Rachael
Robert
Charlie

7) Select all the Federal Express invoice line item amounts. Sort by invoice id and limit output to five rows.

	vendor_name	invoice_number	line_item_amount
▶	Federal Express Corporation	1-200-5164	63.40
	Federal Express Corporation	1-202-2978	33.00
	Federal Express Corporation	2-000-2993	144.70
	Federal Express Corporation	263253241	40.20
	Federal Express Corporation	263253243	44.44

8) Select all vendors who have not submitted an invoice. Sort by vendor name descending. Limit out put to five rows.

	vendor_name	invoice_number	invoice_total
	Zip Print & Copy Center	NULL	NULL
	Zee Medical Service Co	NULL	NULL
	Yale Industrial Trucks-Fresno	NULL	NULL
	Vision Envelope & Printing	NULL	NULL
	Venture Communications Int'l	NULL	NULL

9) Insert an invoice into the invoices table.

10) Update the vendors table so that any vendor_contact_first_names is changed to William if it the table contains Bill.

11) Delete from the general ledger account table where the account number equals 100.

12) How many vendors do not invoices listed in the invoice table. Create proper aliases for column headings

	Number of Vendors with no invoices
▶	88

13) How many vendors have invoices listed in the invoice table. Create proper aliases for column headings.

	Number of Vendors with invoices
▶	34

14) Who are the top five vendors by number of invoices.

Vendor Name	Number of Invoices
Federal Express Corporation	47
United Parcel Service	9
Zylka Design	8
Pacific Bell	6
Malloy Lithographing Inc	5

15) List all the invoices where the invoice_total is less than the average invoice_total. Order by invoice_total desending. Top five listed below.

Returns 93 rows

invoice_number	invoice_date	invoice_total
77290	2014-05-13	1750.00
RTR-72-3662-X	2014-05-25	1600.00
31359783	2014-06-03	1575.00
75C-90227	2014-06-11	1367.50
Q545443	2014-06-09	1083.58