

- Use S1 tables in schema **LCPUBLIC**
- Create a file called **S08.sql**
 - Add a comment line at the top containing your name and student number
 - Submit to dropbox S08

1. Generate the report below. Only select customers from Albany, Boston, and Toronto that have a balance between 1150.00 and 2000.00. Sort balance in descending order.

BALANCE	CUSTOMER_NAME
-----	-----
1998.00	Seaworthy
1987.00	Bluewater Mfg.
1200.00	Mainstreet Inc.
1156.05	Steelhead Tackle Co.

2. Generate the report below. Select customers with a credit limit > 125000 and a balance > 2000.00 or have a available credit (credit limit - balance) > 150000. Sort customer name.

CUSTOMER_NAME

Ajax Steel Inc.
Bell Bldg.
Bluewater Inc.
Bluewater Mfg.
Bolt Co.
Company 1
Company 2
Dallas Mfg.
Delete Inc.

3. Generate the report below. Available credit is credit limit - balance. Select only those customers with an available credit > 100000. Sort available credit in descending order.

CUSTOMER_NAME	Credit Limit	Balance	Available Credit
-----	-----	-----	-----
Bolt Co.	\$ 225,000.00	\$ 1,103.55	\$ 223,896.45
Company 1	\$ 200,000.00	\$ 2,656.01	\$ 197,343.99
Ajax Steel Inc.	\$ 175,000.00	\$ 1,133.00	\$ 173,867.00
Bluewater Inc.	\$ 165,000.00	\$ 1,976.00	\$ 163,024.00
Bluewater Mfg.	\$ 165,000.00	\$ 1,987.00	\$ 163,013.00
Bell Bldg.	\$ 155,000.00	\$ 1,276.00	\$ 153,724.00
Dallas Mfg.	\$ 150,000.00	\$ -198.00	\$ 150,198.00
Smith Mfg.	\$ 150,000.00	\$ 1,998.00	\$ 148,002.00
Delete Inc.	\$ 150,000.00	\$ 3,854.01	\$ 146,145.99
Company 2	\$ 135,000.00	\$ 3,612.01	\$ 131,387.99
Wood Bros.	\$ 124,000.00	\$ 2,854.01	\$ 121,145.99
Mainstreet Inc.	\$ 105,000.00	\$ 1,200.00	\$ 103,800.00

4. Generate the report below. Years of service is calculated from 2021-01-01. Select only those employees that have 10 or more years of service. Sort years of service.

Employee	Birth Date	Hire Date	Years of Service
-----	-----	-----	-----
B. V. Douglas	Jan, 19, 1980	Monday, December, 27, 2010	10.01
K. P. Nielsen	Oct, 23, 1982	Saturday, July, 31, 2010	10.42
Z. O. Joseph	Aug, 17, 1984	Tuesday, April, 13, 2010	10.72
B. N. Wilkerson	Dec, 08, 1987	Thursday, March, 25, 2010	10.77
K. U. Bernard	Sep, 02, 1980	Sunday, March, 21, 2010	10.78
A. K. Wagner	Mar, 10, 1981	Thursday, March, 11, 2010	10.81

5. Generate the report below. Category is determined by the credit limit:

Credit limit >= 200000, category = "Gold customer"
Credit limit 160000 - 199999, category = "Silver customer"
Credit limit 135000 - 159999, category = "Bronze customer"
Credit limit 105000 - 134999, category = "Not Categorized"

Credit limits below 105000 are not categorized. Sort customer name within category.

Category	Customer
-----	-----
1 Gold customer	Bolt Co.
1 Gold customer	Company 1
2 Silver customer	Ajax Steel Inc.
2 Silver customer	Bluewater Inc.
2 Silver customer	Bluewater Mfg.
3 Bronze customer	Bell Bldg.
3 Bronze customer	Company 2
3 Bronze customer	Dallas Mfg.
3 Bronze customer	Delete Inc.
3 Bronze customer	Smith Mfg.
4 Not categorized	Alpine Inc.
4 Not categorized	John Steeling Products
4 Not categorized	London Inc.
4 Not categorized	Mainstreet Inc.
4 Not categorized	Nautilus Mfg.
4 Not categorized	Seaworthy
4 Not categorized	Steelhead Tackle Co.
4 Not categorized	Wood Bros.

6. Generate the report below based on the employees table.

Lowest salary	Highest salary	Average salary	Total salary
-----	-----	-----	-----
5,762.00	99,879.00	46,281.98	\$ 2,036,407.00

7. Generate the report below. Only return customers where the credit limit > 150000. Sort by customer name.

CUSTOMER_NAME	DISCOUNT
-----	-----
Ajax Steel Inc.	No discount assigned
Bell Bldg.	0.01
Bluewater Inc.	0.015
Bluewater Mfg.	No discount assigned
Bolt Co.	0.02
Company 1	0.01

8. Generate the report below for employees with an employee id < 106. Note employee Stephanie M. Durham. Sort by last name. Why does the sort not look correct?

Employee

Stephanie M. Durham
Kelly X. Barrett
Zelenia O. Joseph
Lacey L. Talley
Orla U. Wheeler

9. Generate the report below. Return customer names that contain "Steel." Sort by customer name.

CUSTOMER_NAME

Ajax Steel Inc.
John Steeling Products
Steelhead Tackle Co.

10. Generate the report below. Only return employees that were hired in the year 2016. Sort last name within hire date.

EMPLOYEE	HIRE_DATE
-----	-----
Darryl Jefferson	2016-02-04
Britanni Pennington	2016-05-22
Lacey Talley	2016-06-07
Georgia Barry	2016-07-06
sTephanie dUrham	2016-09-07
Mallory Trujillo	2016-09-19
Zeus Kinney	2016-09-29

11. Generate the report below. Use a start date of 01/01/2015 and an end date of 07/15/2016. Sort last name within hire date.

Bind parameter(s)		
#	Name	Value
1	Enter_start_date	'2015-01-01'
2	Enter_end_date	'2016-07-15'

EMPLOYEE	HIRE_DATE
-----	-----
Flavia Blankenship	2015-02-14
Noelle Garcia	2015-03-20
Kareem Roth	2015-07-12
Mallory Porter	2015-11-06
Kelly Barrett	2015-11-16
Darryl Jefferson	2016-02-04
Britanni Pennington	2016-05-22
Lacey Talley	2016-06-07
Georgia Barry	2016-07-06

12. Generate the report below from the employees table. Group by department within store. Sort department within store.

STORE_ID	Dept	Count	Highest Salary	Average Salary
-----	----	-----	-----	-----
110	100	7	89,670.00	44,235.00
110	110	8	93,459.00	45,790.00
120	100	4	64,206.00	45,098.50
120	110	9	70,776.00	34,506.11
130	100	9	99,879.00	43,949.56
130	110	7	98,432.00	67,706.71

13. Generate the report below from the employees table. Group by department within store. Only return groups with an average salary > 45000. Sort department within store.

STORE_ID	Dept	Count	Highest Salary	Average Salary
-----	----	-----	-----	-----
110	110	8	93,459.00	45,790.00
120	100	4	64,206.00	45,098.50
130	110	7	98,432.00	67,706.71

14. Generate the report below. Calculate the number of months worked from 01/01/2020. Only include employees that have worked more than 100 months. Sort by the months worked in descending order.

EMPLOYEE	HIRE_DATE	MONTHS_WORKED
-----	-----	-----
Ayanna Wagner	2010-03-11	117.68
Kane Bernard	2010-03-21	117.35
Brenden Wilkerson	2010-03-25	117.23
Zelenia Joseph	2010-04-13	116.61
Kuame Nielsen	2010-07-31	113.03
Barry Douglas	2010-12-27	108.16
Heather Oconnor	2011-01-13	107.61
Scarlet Yang	2011-02-18	106.45
Kirk Walker	2011-04-14	104.58