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-- DBS211 - Lab 03

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-- Date: 30 January 2022

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SET AUTOCOMMIT ON;

**Q1: Display the first 10 rows of data for the payments table. (query and results in Word file).**

SELECT \*

FROM payments

ORDER BY CUSTOMERNUMBER LIMIT 10;

Graphical user interface, application

Description automatically generated

**Q2: Display the first 10 rows of data for the payments table. (query and results in Word file).**

SELECT lastname,firstname,email

FROM employees

WHERE officeCode = 6;

Graphical user interface, text, application

Description automatically generated

**Q3: Display customer number, customer name, contact first name and contact last name, and**

**phone for all customers in Paris. (hint: be wary of case sensitivity)**

SELECT customernumber, customername, contactfirstname, contactlastname, phone

FROM customers

WHERE UPPER(city) = 'PARIS'

ORDER BY customernumber;

Graphical user interface, text, application

Description automatically generated

**Q4: Repeat the previous Query with a couple small changes:**

**a. The contact’s first and last name should be in a single column in the format**

**“lastname, firstname”.**

**b. Show customers who are in Canada**

SELECT customernumber,

customername,

contactlastname || ', ' || contactfirstname AS contact,

phone

FROM customers

WHERE UPPER(country) = 'CANADA'

ORDER BY customernumber;

Graphical user interface, text, application

Description automatically generated

**Q5: Display customer number for customers who have payments. Do not included any repeated values. (hints: how do you know a customer has made a payment? You will need to access only one table for this query)**

SELECT DISTINCT customernumber

FROM payment

ORDER BY customernumber;

Graphical user interface, text, application, Word

Description automatically generated

**Q6: List customer numbers, check number, and amount for customers whose payment amount is not in the range of $30,000 to $65,000. Sort the output by top payments amount first**

SELECT customernumber, checknumber, amount

FROM payments

WHERE amount NOT BETWEEN 30000 AND 65000

ORDER BY amount DESC;

Graphical user interface, text, application

Description automatically generated

**Q7: Display the order information for all orders that are cancelled.**

SELECT \* FROM orders

WHERE UPPER(status) = 'CANCELLED';

Graphical user interface, text, application

Description automatically generated

**Q8: The company needs to know the percentage markup for each product sold. Produce a query**

**that outputs the ProductCode, ProductName, BuyPrice, MSRP in addition to**

**a. The difference between MSRP and BuyPrice (i.e. MSRP-BuyPrice) called markup**

**b. The percentage markup (100 \* calculated by difference / BuyPrice) called percmarkup**

**rounded to 1 decimal place.**

SELECT productcode, productname, buyprice, msrp, msrp - buyprice AS markup, round(100 \*(msrp - buyprice) / buyPrice,1) AS percmarkup

FROM products;

Graphical user interface, text, application

Description automatically generated

**Q9: Display the information of all products with string ‘co’ in their product name. (c and o can be lower or upper case).**

SELECT \*

FROM products

WHERE UPPER(productname) LIKE '%CO%';

Graphical user interface, text, application

Description automatically generated

**Q10: Display all customers whose contact first name starts with letter s (both lowercase and**

**uppercase) and includes letter e (both lowercase and uppercase)**

SELECT \*

FROM customers

WHERE UPPER(contactfirstname) LIKE 'S%E%';

Graphical user interface, text, application

Description automatically generated

**Q11: Create a statement that will insert yourself as an employee of the company.**

**a. Use a unique employee number of your choice**

**b. Use your school email address**

**c. Your job title will be “Cashier”**

**d. Office code will be 4**

**e. You will report to employee 1088**

INSERT INTO employees

VALUES(010, 'Sorathiya', 'Harmish', 'x010', 'hhsorathiya@myseneca.ca', 4,1088, 'Cashier');

Graphical user interface, text, application

Description automatically generated

**Q12: Create a query that displays your, and only your, employee data**

SELECT \* FROM employees

WHERE employeeNumber = 010;

Graphical user interface, text, application, Word

Description automatically generated

**Q13: Create a statement to update your job title to “Head Cashier”**

UPDATE employees

SET jobtitle = 'Head Cashier'

WHERE employeenumber = 010;

Graphical user interface, text, application

Description automatically generated

**Q14: Create a statement to insert another fictional employee into the database. This employee will be a “Cashier” and will report to you. Make up fake data for the other fields.**

INSERT INTO employees

VALUES(10075, 'Dow', 'Joe', 'x10075', 'Dow.jow@email.com', 4, 010, 'Cashier');

Graphical user interface, text, application

Description automatically generated

**Q15: Create a statement to Delete yourself from the database. Did it work? If not, why?**

DELETE FROM employees

WHERE employeeNumber = 010;

* It is not worked, due to referential integritys

Graphical user interface, text, application

Description automatically generated

**Q16: Create a statement to delete the fake employee from the database and then rerun the**

**statement to delete yourself. Did it work?**

DELETE FROM employees

WHERE employeenumber = 10075;

DELETE FROM employees

WHERE employeenumber = 010;

Graphical user interface, text, application

Description automatically generated

**Q17: Create a single statement that will insert both yourself and the fake employee at the same time. This time the fake employee will report to 1088 as well.**

INSERT ALL

INTO employees VALUES(010, 'Sorathiya', 'Harmish', 'x010', 'hhsorathiya@myseneca.ca', 4,1088, 'Head Cashier')

INTO employees VALUES(10077, 'Dow', 'Joe', 'x10077', 'Dow.Joe@email.com', 4, 1088, 'Cashier')

SELECT \* FROM dual;

Graphical user interface, text, application

Description automatically generated

**Q18: Create a single statement to delete both yourself and the fake employee.**

DELETE FROM employees

WHERE employeeNumber = 10077 OR employeenumber = 010;

Graphical user interface, text, application

Description automatically generated

**Q19: Create a new order in order table with required date Sep 22nd,2021 and order date as**

**Sep 17th,2021. Make up the reset of the fields and then display the only the new order that**

**you have created just now**

**Q20: Insert a new product into product table with product name as “2020 Bugatti Veyron”**

**and productcode as “S111\_111” and make up the rest of the fields.**

INSERT INTO products

VALUES('S111\_111', '2020 Bugatti Veyron', 'Motorcycles', '1:18', 'Red Start Diecast', 'Model features, official Harley Davidson logos and insignias, detachable rear wheelie bar, heavy diecast metal with resin parts, authentic multi-color tampo-printed graphics, separate engine drive belts, free-turning front fork, rotating tires and rear racing slick, certificate of authenticity, detailed engine, display stand\r\n, precision diecast replica, baked enamel finish, 1:10 scale model and removable fender', 1045, 45.20, 75.25 );

Graphical user interface, text, application

Description automatically generated