DBS311NBB - Assignment 1

Group 8

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**Question 1**

SELECT employee\_id "Emp#", (first\_name || ' ' || last\_name) "Full Name",

job\_title "Job", to\_char(hire\_date, 'fmDdspTH "of" Month"," YYYY') "Start Date"

FROM employees

WHERE to\_char(hire\_date, 'mm') NOT IN ('09', '10', '11')

AND job\_title LIKE 'A%'

AND Length(job\_title) <= 20

Graphical user interface, text, application

Description automatically generatedORDER BY hire\_date DESC;

**Question 2**

SELECT (last\_name ||', '|| first\_name) "Emp Name",

TO\_CHAR(SUM(unit\_price \* quantity),'$999,999,999.99') "Total Sale"

FROM orders o JOIN order\_items oi USING(order\_id)

JOIN employees e ON o.salesman\_id = e.employee\_id

GROUP BY salesman\_id,

last\_name,

first\_name

HAVING substr(first\_name,length(first\_name), 1) != 'y'

ORDER BY 2 DESC;

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**Question 3**

SELECT (e.last\_name || ', ' || e.first\_name) "Emp Name",

to\_char(SUM(oi.quantity \* oi.unit\_price), '$99,999,999.99') "Total Sale"

FROM employees e RIGHT JOIN orders o

ON e.employee\_id = o.salesman\_id

RIGHT JOIN order\_items oi

ON o.order\_id = oi.order\_id

WHERE SUBSTR(lower(e.first\_name),-1,1) <> '%y'

OR o.salesman\_id is null

HAVING SUM(oi.quantity\*oi.unit\_price) > 4000000

GROUP BY e.last\_name, e.first\_name

Table

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**Question 4**

SELECT c.customer\_id "CustId", c.name "Name", NVL(o.TotalOrderCust, 0) "Total Orders"

FROM customers c FULL OUTER JOIN (SELECT customer\_id, COUNT(\*) AS TotalOrderCust

FROM orders

GROUP BY customer\_id)o

ON c.customer\_id = o.customer\_id

WHERE NVL(o.TotalOrderCust, 0) < 2 AND

((substr(name,1,1) = 'B' AND INSTR(substr(name,2,30), 'l') > 0)

OR (substr(name,1,1) = 'L' AND INSTR(substr(name,2,30), 'b') > 0))

AND (INSTR(Name, 'Bank of New York Mellon')) = 0

Graphical user interface, text, application, email

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**Question 5**

SELECT customer\_id "Cust#", NAME "Customer Name", order\_id "Order#", order\_date "Order Date",

SUM(quantity) "Total#",To\_CHAR(SUM(unit\_price \* quantity), 'fm$9,999,999.00') "Total Amount", last\_name "LName"

FROM customers c INNER JOIN orders USING (customer\_id)

INNER JOIN order\_items USING (order\_id)

INNER JOIN contacts USING (customer\_id)

WHERE substr(phone, 4, 3) = '319'

AND last\_name NOT IN ('Norris')

GROUP BY customer\_id, name, order\_id, order\_date, last\_name

HAVING SUM(unit\_price \* quantity) < 800000

ORDER BY SUM(unit\_price \* quantity) desc;

Graphical user interface, text, application

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**Question 6**

SELECT warehouse\_id "Wrhs#",

warehouse\_name "Warehouse Name",

category\_id "Category#",

category\_name "Category Name",

TO\_CHAR(MIN(list\_price), 'fm$9,999,999.00') "Lowest Price"

FROM warehouses w INNER JOIN inventories USING (warehouse\_id)

INNER JOIN products USING (product\_id)

INNER JOIN product\_categories USING (category\_id)

INNER JOIN locations USING (location\_id)

INNER JOIN countries USING (country\_id)

WHERE country\_name LIKE 'C%'

GROUP BY warehouse\_id, warehouse\_name, category\_id, category\_name

HAVING MIN(list\_price) < 50.00 OR MIN(list\_price) > 200

ORDER BY 1, 3;

Table

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**Question 7**

SELECT product\_id "ProdId",

category\_id "Category#",

product\_name "Product Name",

list\_price "Lprice"

FROM products

WHERE product\_id IN (SELECT product\_id

FROM order\_items

WHERE order\_id IN (SELECT order\_id

FROM orders

WHERE salesman\_id IN (SELECT employee\_id

FROM employees

WHERE UPPER(last\_name) LIKE 'E%' OR

UPPER(last\_name) LIKE 'F%')))

AND category\_id = (SELECT category\_id

FROM product\_categories

WHERE UPPER(category\_name) LIKE 'VIDEO%')

Graphical user interface, table

Description automatically generatedORDER BY 1 ASC;

**Question 8**

SELECT product\_id "ProdId",

product\_name "Product Name",

list\_price "Lprice"

FROM products

WHERE product\_id IN (SELECT product\_id

FROM order\_items

WHERE order\_id IN (SELECT order\_id

FROM orders

WHERE salesman\_id IN (SELECT employee\_id

FROM employees

WHERE SUBSTR(UPPER(last\_name), 1, 1) IN ('E', 'F')

AND SUBSTR(TO\_CHAR(hire\_date), 4,3) = 'DEC')))

AND category\_id = (SELECT category\_id

FROM product\_categories

WHERE UPPER(category\_name) LIKE 'VIDEO%')

ORDER BY 1 ASC;

Graphical user interface, text

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**Question 9**

SELECT product\_id "Product ID",

product\_name "Product Name",

TO\_CHAR(list\_price, 'fm$9,999,999.00') "List Price"

FROM products INNER JOIN inventories USING (product\_id)

WHERE list\_price < ANY (SELECT MIN(standard\_cost)

FROM warehouses INNER JOIN locations USING (location\_id)

INNER JOIN countries USING (country\_id)

INNER JOIN regions USING (region\_id)

INNER JOIN inventories USING (warehouse\_id)

INNER JOIN products USING (product\_id)

WHERE UPPER(region\_name) IN ('EUROPE', 'ASIA')

GROUP BY warehouse\_id)

AND quantity > ANY (SELECT MAX(quantity)

FROM inventories

GROUP BY warehouse\_id)

ORDER BY list\_price DESC;

**(Please see output on next page)**

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