Daniel Montes

5/7

CSCD 327

Dan Li

Lab 6

Question 1:

SELECT Title, Retail

FROM s24dmontes2\_booksDB.BOOKS

WHERE Retail < (SELECT AVG(Retail) FROM s24dmontes2\_booksDB.BOOKS);

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Question 2:

SELECT Title, Category, Cost

FROM s24dmontes2\_booksDB.BOOKS AS b1

Where Cost < (

SELECT AVG(Cost)

FROM s24dmontes2\_booksDB.BOOKS AS b2

WHERE b2.Category = b1.Category);

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Question 3:

SELECT Order\_Num

FROM s24dmontes2\_booksDB.ORDERS

WHERE ShipState = (

SELECT ShipState

FROM s24dmontes2\_booksDB.ORDERS

Where Order\_Num = 1014);

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Question 4:

SELECT Order\_Num, SUM(Quantity \* PaidEach) AS 'SUM(oi.Quantity\*oi.Paideach)'

FROM s24dmontes2\_booksDB.ORDERITEMS

GROUP BY Order\_Num

HAVING SUM(Quantity \* PaidEach) > (

SELECT SUM(Quantity \* PaidEach) AS 'SUM(oi.Quantity\*oi.Paideach)'

FROM s24dmontes2\_booksDB.ORDERITEMS

WHERE Order\_Num = 1002);

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Question 5:

SELECT title FROM BOOKS

WHERE Category IN (SELECT DISTINCT CATEGORY FROM s24dmontes2\_booksDB.BOOKS JOIN ORDERITEMS ON BOOKS.ISBN = ORDERITEMS.ISBN

JOIN ORDERS ON ORDERITEMS.Order\_num = ORDERS.Order\_num

WHERE Customer\_num = 1007)

AND ISBN NOT IN (SELECT ISBN

FROM s24dmontes2\_booksDB.ORDERS JOIN ORDERITEMS ON ORDERS.Order\_num = ORDERITEMS.Order\_num

WHERE Customer\_num = 1007);

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Question 6:

SELECT shipcity,shipstate

FROM s24dmontes2\_booksDB.ORDERS WHERE datediff(ShipDate,OrderDate) = (SELECT(MAX(datediff(ShipDate,OrderDate))) FROM s24dmontes2\_booksDB.ORDERS);

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Question 7:

SELECT DISTINCT CUSTOMERS.customer\_num

FROM s24dmontes2\_booksDB.CUSTOMERS JOIN ORDERS

ON ORDERS.customer\_num = CUSTOMERS.customer\_num

JOIN ORDERITEMS ON ORDERITEMS.order\_num = ORDERS.order\_num

JOIN BOOKS ON BOOKS.isbn = ORDERITEMS.isbn

WHERE BOOKS.retail = (SELECT MIN(retail)

FROM s24dmontes2\_booksDB.BOOKS);

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Question 8:

SELECT COUNT(DISTINCT CUSTOMERS.customer\_num) AS customer\_num

FROM s24dmontes2\_booksDB.CUSTOMERS

JOIN ORDERS ON CUSTOMERS.customer\_num = ORDERS.customer\_num

JOIN ORDERITEMS ON ORDERS.order\_num = ORDERITEMS.order\_num

JOIN BOOKAUTHOR ON ORDERITEMS.isbn = BOOKAUTHOR.isbn

JOIN AUTHOR ON AUTHOR.AuthorID = BOOKAUTHOR.AuthorID

WHERE AUTHOR.Fname = 'James' AND AUTHOR.Lname = 'Austin';

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Question 9:

SELECT product\_name, list\_price

FROM s24dmontes2\_productsDB.products

WHERE list\_price >(

SELECT AVG(list\_price) AS list\_price

FROM s24dmontes2\_productsDB.products)

ORDER BY list\_price DESC;

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Question 10:

SELECT category\_name

FROM s24dmontes2\_productsDB.categories AS C

WHERE NOT EXISTS (

SELECT category\_id

FROM s24dmontes2\_productsDB.products AS P

WHERE C.category\_id = P.category\_id);

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Question 11:

SELECT email\_address, order\_id, order\_date

FROM s24dmontes2\_productsDB.customers NATURAL JOIN s24dmontes2\_productsDB.orders AS C1

WHERE order\_date <= (SELECT min(order\_date)

FROM s24dmontes2\_productsDB.orders AS O2

WHERE C1.customer\_id = O2.customer\_id); A black and white table with numbers and numbers

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Question 12:

SELECT id, name, salary

FROM s24dmontes2\_universityDB.instructor

WHERE salary = (SELECT max(salary)

FROM s24dmontes2\_universityDB.instructor);

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Question 13:

SELECT id, name, salary

FROM s24dmontes2\_universityDB.instructor

WHERE salary =(SELECT max(salary)

FROM s24dmontes2\_universityDB.instructor

WHERE salary NOT IN (SELECT max(salary)

FROM s24dmontes2\_universityDB.instructor));

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Question 14:

USE s24dmontes2\_universityDB;

SELECT id, name, cnt

FROM (SELECT ID, name, COUNT(DISTINCT course\_id) AS cnt

FROM s24dmontes2\_universityDB.instructor NATURAL JOIN teaches

GROUP BY ID) AS T1

WHERE cnt = (SELECT MAX(cnt)

FROM(SELECT COUNT(DISTINCT course\_id) AS cnt

FROM instructor NATURAL JOIN teaches GROUP BY ID) AS T2);

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