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CSCD 327

Lab 4

Question 1:

SELECT order\_num, LastName, FirstName, OrderDate

FROM s24dmontes2\_booksDB.ORDERS NATURAL JOIN CUSTOMERS

WHERE ShipDate is NULL ORDER BY OrderDate;

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Question 2:

SELECT Customer\_num,LastName,FirstName,Order\_Num

FROM s24dmontes2\_booksDB.ORDERS NATURAL JOIN CUSTOMERS NATURAL JOIN BOOKS NATURAL JOIN ORDERITEMS

WHERE ShipState = 'FL' and Category = 'COMPUTER';

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Question 3:

SELECT DISTINCT Title

FROM s24dmontes2\_booksDB.BOOKS NATURAL JOIN ORDERITEMS NATURAL JOIN CUSTOMERS NATURAL JOIN ORDERS

WHERE FirstName = 'Jake' AND LastName = 'Lucas';

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Question 4:

SELECT DISTINCT Fname, Lname, Title

FROM s24dmontes2\_booksDB.AUTHOR NATURAL JOIN BOOKS NATURAL JOIN BOOKAUTHOR NATURAL JOIN CUSTOMERS NATURAL JOIN ORDERITEMS NATURAL JOIN ORDERS

WHERE FirstName = 'Becca' AND LastName = 'Nelson' AND CUSTOMERS.Customer\_num = ORDERS.Customer\_num;

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Question 5:

SELECT Title, ORDERS.Order\_num, CUSTOMERS.State

FROM BOOKS

LEFT JOIN ORDERITEMS ON BOOKS.ISBN = ORDERITEMS.ISBN

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

LEFT JOIN CUSTOMERS ON ORDERS.Customer\_num = CUSTOMERS.Customer\_num;

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Question 6:

SELECT DISTINCT name

FROM s24dmontes2\_universityDB.student

JOIN takes ON student.id = takes.id

JOIN section ON takes.course\_id = section.course\_id AND takes.sec\_id = section.sec\_id

JOIN course ON section.course\_id = course.course\_id

WHERE course.dept\_name = 'Comp. Sci.';

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Question 7:

USE s24dmontes2\_universityDB;

SELECT DISTINCT student.name AS 'Student', instructor.name AS 'Advisor'

FROM s24dmontes2\_universityDB.student LEFT OUTER JOIN advisor ON student.id = advisor.s\_id

LEFT OUTER JOIN instructor ON advisor.i\_ID = instructor.ID;

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Question 8:

SELECT section.course\_id, section.sec\_id, section.semester, section.year, classroom.building, classroom.room\_number, time\_slot.start\_hr

FROM s24dmontes2\_universityDB.section

JOIN s24dmontes2\_universityDB.time\_slot ON section.time\_slot\_id = time\_slot.time\_slot\_id

JOIN s24dmontes2\_universityDB.classroom ON section.building = classroom.building AND section.room\_number = classroom.room\_number

WHERE time\_slot.start\_hr < 12 AND classroom.room\_number = 101 AND classroom.building = 'Packard';

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Question 9:

SELECT instructor1.name AS 'name', instructor1.dept\_name AS 'dept\_name', instructor1.salary AS 'salary', instructor2.name AS 'name', instructor2.dept\_name AS 'dept\_name', instructor2.salary AS 'salary'

FROM s24dmontes2\_universityDB.instructor AS instructor1, s24dmontes2\_universityDB.instructor AS instructor2

WHERE instructor1.dept\_name = instructor2.dept\_name AND instructor1.salary>instructor2.salary;

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Question 10:

SELECT distinct table2.name

FROM (SELECT DISTINCT student.name FROM s24dmontes2\_universityDB.student NATURAL JOIN takes WHERE semester = 'Fall' AND year = 2009) AS table1 JOIN

(SELECT DISTINCT student.name FROM s24dmontes2\_universityDB.student NATURAL JOIN takes WHERE semester = 'Spring' AND year = 2010) AS table2 WHERE table1.name = table2.name;

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