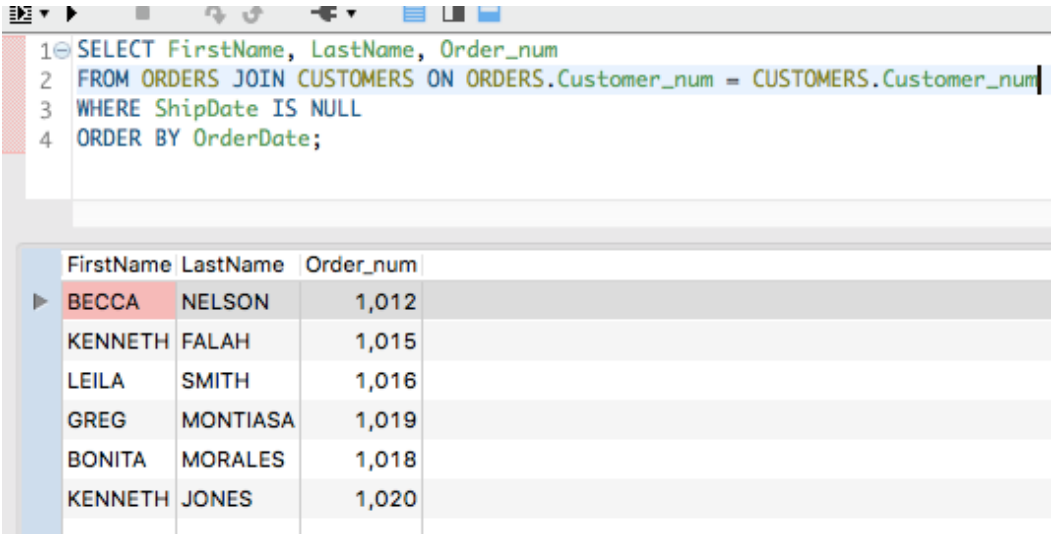


Ethan Tuning
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CSCD 327
Lab # 4

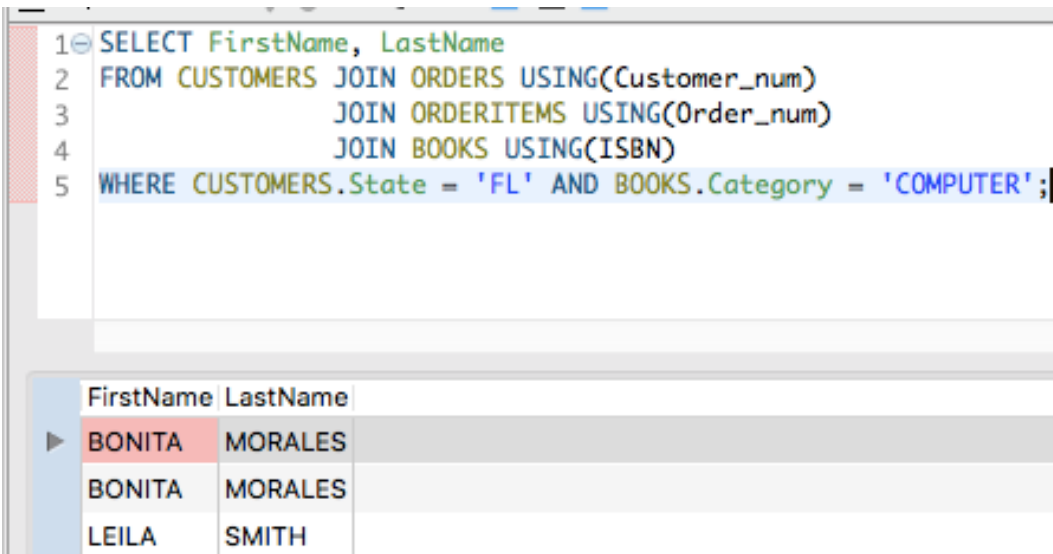
1.



```
1 SELECT FirstName, LastName, Order_num
2 FROM ORDERS JOIN CUSTOMERS ON ORDERS.Customer_num = CUSTOMERS.Customer_num
3 WHERE ShipDate IS NULL
4 ORDER BY OrderDate;
```

FirstName	LastName	Order_num
BECCA	NELSON	1,012
KENNETH	FALAH	1,015
LEILA	SMITH	1,016
GREG	MONTIASA	1,019
BONITA	MORALES	1,018
KENNETH	JONES	1,020

2.



```
1 SELECT FirstName, LastName
2 FROM CUSTOMERS JOIN ORDERS USING(Customer_num)
3                JOIN ORDERITEMS USING(Order_num)
4                JOIN BOOKS USING(ISBN)
5 WHERE CUSTOMERS.State = 'FL' AND BOOKS.Category = 'COMPUTER';
```

FirstName	LastName
BONITA	MORALES
BONITA	MORALES
LEILA	SMITH

3.

1	SELECT DISTINCT BOOKS.title
2	FROM ORDERITEMS JOIN BOOKS USING(ISBN)
3	JOIN ORDERS USING(Order_num)
4	JOIN CUSTOMERS USING(Customer_num)
5	WHERE CUSTOMERS.FirstName = 'JAKE' AND LastName = 'LUCAS';

title	
PAINLESS CHILD-REARING	
HOW TO MANAGE THE MANAGER	

4.

1	SELECT BOOKS.Title, ORDERITEMS.PaidEach - BOOKS.Cost AS profit
2	FROM BOOKS JOIN ORDERITEMS USING(ISBN)
3	JOIN ORDERS USING(Order_num)
4	JOIN CUSTOMERS USING(Customer_num)
5	WHERE CUSTOMERS.FirstName = 'JAKE' AND CUSTOMERS.LastName = 'LUCAS'
6	ORDER BY ORDERS.OrderDate, profit DESC;

Title	profit
PAINLESS CHILD-REARING	37.45
HOW TO MANAGE THE MANAGER	16.55
PAINLESS CHILD-REARING	37.45

5.

1	SELECT Title
2	FROM BOOKS JOIN BOOKAUTHOR USING(ISBN)
3	JOIN AUTHOR USING(AuthorID)
4	WHERE AUTHOR.Lname = 'ADAMS';

Title	
DATABASE IMPLEMENTATION	

6.

```

1 SELECT AUTHOR.Fname, AUTHOR.Lname, BOOKS.Title
2 FROM BOOKS JOIN BOOKAUTHOR USING(ISBN)
3             JOIN AUTHOR USING(AuthorID)
4             JOIN ORDERITEMS USING(ISBN)
5             JOIN ORDERS USING(Order_num)
6             JOIN CUSTOMERS USING(Customer_num)
7 WHERE CUSTOMERS.FirstName = 'BECCA' AND CUSTOMERS.LastName = 'NELSON';

```

Fname	Lname	Title
JANICE	JONES	REVENGE OF MICKEY
WILLIAM	WHITE	HANDCRANKED COMPUTERS
LISA	WHITE	HANDCRANKED COMPUTERS
JACK	BAKER	PAINLESS CHILD-REARING
OSCAR	FIELDS	PAINLESS CHILD-REARING
ROBERT	ROBINSON	PAINLESS CHILD-REARING
ROBERT	ROBINSON	BIG BEAR AND LITTLE DOVE

7.

```

1 SELECT BOOKS.Title, CUSTOMERS.State, ORDERS.Order_num
2 FROM BOOKS LEFT JOIN ORDERITEMS USING(ISBN)
3             JOIN ORDERS USING(Order_num)
4             JOIN CUSTOMERS USING(Customer_num)
5 WHERE ORDERS.ShipDate IS NOT null;

```

Title	State	Order_num
REVENGE OF MICKEY	WA	1,009
REVENGE OF MICKEY	TX	1,014
BODYBUILD IN 10 MINUTES A DAY	FL	1,003
SHORTEST POEMS	GA	1,005
PAINLESS CHILD-REARING	GA	1,001
PAINLESS CHILD-REARING	NJ	1,004
PAINLESS CHILD-REARING	GA	1,011
COOKING WITH MUSHROOMS	WA	1,000
COOKING WITH MUSHROOMS	FL	1,003
COOKING WITH MUSHROOMS	ID	1,008
COOKING WITH MUSHROOMS	WA	1,009
HOLY GRAIL OF ORACLE	TX	1,007
BIG BEAR AND LITTLE DOVE	TX	1,007
BIG BEAR AND LITTLE DOVE	FL	1,017
DATABASE IMPLEMENTATION	IL	1,002
DATABASE IMPLEMENTATION	FL	1,003
DATABASE IMPLEMENTATION	TX	1,007
DATABASE IMPLEMENTATION	NJ	1,010
DATABASE IMPLEMENTATION	WY	1,013
HOW TO MANAGE THE MANAGER	GA	1,001
E-BUSINESS THE EASY WAY	FL	1,006
E-BUSINESS THE EASY WAY	TX	1,007

8.

1	SELECT count(Title)
2	FROM BOOKS
3	WHERE Retail > 30;
count(Title)	
▶	8

9.

1	SELECT MAX(PubDate)
2	FROM BOOKS;
MAX(PubDate)	
▶	11/11/2006

10.

1	SELECT SUM((BOOKS.Retail)*ORDERITEMS.Quantity) AS TotalProfit
2	FROM BOOKS JOIN ORDERITEMS USING(ISBN)
3	JOIN ORDERS USING(Order_num)
4	JOIN CUSTOMERS USING(Customer_num)
5	WHERE Customer_num = 1017;
TotalProfit	
▶	170.90

11.

1	SELECT MAX(Retail)
2	FROM BOOKS
3	WHERE Category = 'COMPUTER';
MAX(Retail)	
	75.95

12.

```
1 SELECT CUSTOMERS.LastName, CUSTOMERS.FirstName, COUNT(ORDERITEMS.Quantity)
2 FROM ORDERITEMS JOIN ORDERS USING(Order_num)
3 JOIN CUSTOMERS USING(Customer_num)
4 GROUP BY CUSTOMERS.LastName;
```

LastName	FirstName	COUNT(ORDERITEMS.Quantity)
FALAH	KENNETH	2
IANA	TAMMY	5
GIRARD	CINDY	3
JONES	KENNETH	1
LEE	JASMINE	1
LUCAS	JAKE	3
MCGOVERN	REESE	1
MONTIASA	GREG	2
MORALES	BONITA	5
NELSON	BECCA	4
PIERSON	THOMAS	1
SHELL	STEVE	1
SMITH	LEILA	3

13.

```
1 SELECT AVG(b1.Retail), b1.Category, p1.Name, AVG(b2.Retail), b2.Category, p2.Name
2 FROM BOOKS b1 JOIN PUBLISHER p1 USING(PubID),
3      BOOKS b2 JOIN PUBLISHER p2 USING(PubID)
4 WHERE (b1.Category = 'COMPUTER' OR 'CHILDREN') AND
5        (b2.Category = 'COMPUTER' OR 'CHILDREN')
6 GROUP BY b1.Category, p2.Name;
```

AVG(b1.Retail)	Category	Name	AVG(b2.Retail)	Category	Name
52.85	COMPUTER	PUBLISH OUR WAY	52.30	COMPUTER	AMERICAN PUBLISHING
52.85	COMPUTER	PUBLISH OUR WAY	54.50	COMPUTER	PUBLISH OUR WAY

14.

```
1 SELECT CUSTOMERS.FirstName, CUSTOMERS.LastName, ORDERS.Order_num, SUM(BOOKS.Retail * ORDERITEMS.Quantity) AS OrderTotal
2 FROM BOOKS JOIN ORDERITEMS USING(ISBN)
3      JOIN ORDERS USING(Order_num)
4      JOIN CUSTOMERS USING(Customer_num)
5 WHERE 80 < (SELECT SUM(BOOKS.Retail * ORDERITEMS.Quantity)) AND CUSTOMERS.State = 'GA' OR 'FL';
```

FirstName	LastName	Order_num	OrderTotal
JAKE	LUCAS	1,001	179.90

15.

```
1 SELECT MAX(BOOKS.Retail)
2 FROM BOOKS JOIN BOOKAUTHOR USING(ISBN)
3      JOIN AUTHOR USING(AuthorID)
4 WHERE AUTHOR.Fname = 'LISA' AND AUTHOR.Lname = 'WHITE';
```

MAX(BOOKS.Retail)
39.95