

AUSTIN HALL

1.)

```
select order_num, firstname, lastname, orderdate
from ORDERS join CUSTOMERS
on ORDERS.Customer_num = CUSTOMERS.Customer_num
and ShipDate is NULL
order by orderdate;
```

order_num	firstname	lastname	orderdate
1012	BECCA	NELSON	2009-04-03
1015	KENNETH	FALAH	2009-04-04
1016	LEILA	SMITH	2009-04-04
1018	BONITA	MORALES	2009-04-05
1019	GREG	MONTIASA	2009-04-05
1020	KENNETH	JONES	2009-04-05

2.)

```
select Customer_num, c.firstname, c.lastname, Order_num
from CUSTOMERS c join ORDERS using (Customer_num)
join ORDERITEMS using (Order_num)
join BOOKS using (ISBN)
where state = 'FL' and category = 'COMPUTER';
```

Customer_num	firstname	lastname	Order_num
1001	BONITA	MORALES	1003
1001	BONITA	MORALES	1018
1003	LEILA	SMITH	1006

3.)

```
select distinct title
from BOOKS join ORDERITEMS using (ISBN)
join ORDERS using (Order_num)
join CUSTOMERS c using (Customer_num)
where c.FirstName = "Jake" and c.LastName = "Lucas";
```

title
HOW TO MANAGE THE MANAGER
PAINLESS CHILD-REARING

4.)

```
select distinct title, orderdate, PaidEach - Cost as profit
from BOOKS join ORDERITEMS using (ISBN)
join ORDERS using (Order_num)
join CUSTOMERS c using (Customer_num)
where c.FirstName = "Jake" and c.LastName = "Lucas"
order by orderdate, profit DESC;
```

title	orderdate	profit
PAINLESS CHILD-REARING	2009-03-31	37.45
HOW TO MANAGE THE MANAGER	2009-03-31	16.55
PAINLESS CHILD-REARING	2009-04-03	37.45

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5.)

```
select b.ISBN, Title
from BOOKS b join BOOKAUTHOR using (ISBN)
join AUTHOR a using (AuthorID)
where a.Lname = "ADAMS";
```

ISBN	Title
8843172113	DATABASE IMPLEMENTATION

6.)

```
select Fname, Lname, Title
from BOOKS b join BOOKAUTHOR using (ISBN)
join AUTHOR a using (AuthorID)
join ORDERITEMS using (ISBN)
join ORDERS using (Order_num)
join CUSTOMERS c using (Customer_num)
where c.LastName = "NELSON" and c.FirstName = "BECCA";
```

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

7.)

```
select b.title, Order_num, c.State
from BOOKS b left outer join ORDERITEMS using (isbn)
left outer join ORDERS using (Order_num)
left outer join CUSTOMERS c using (Customer_num);
```

title	Order_num	State
HOW TO GET FASTER PIZZA	NULL	NULL
THE WOK WAY TO COOK	NULL	NULL
REVENGE OF MICKEY	1009	WA
REVENGE OF MICKEY	1012	MI
REVENGE OF MICKEY	1014	TX
REVENGE OF MICKEY	1019	GA
BODYBUILD IN 10 MINUTES A DAY	1003	FL
HANDCRANKED COMPUTERS	1012	MI
SHORTEST POEMS	1005	GA
PAINLESS CHILD-REARING	1001	GA
PAINLESS CHILD-REARING	1004	NJ
PAINLESS CHILD-REARING	1011	GA
PAINLESS CHILD-REARING	1012	MI
PAINLESS CHILD-REARING	1016	FL
COOKING WITH MUSHROOMS	1000	WA
COOKING WITH MUSHROOMS	1003	FL
COOKING WITH MUSHROOMS	1008	ID
COOKING WITH MUSHROOMS	1009	WA
COOKING WITH MUSHROOMS	1015	NJ
COOKING WITH MUSHROOMS	1018	FL
COOKING WITH MUSHROOMS	1020	WY
HOLY GRAIL OF ORACLE	1007	TX
BUILDING A CAR WITH TOOTHPI...	NULL	NULL
BIG BEAR AND LITTLE DOVE	1007	TX
BIG BEAR AND LITTLE DOVE	1012	MI
BIG BEAR AND LITTLE DOVE	1017	FL
DATABASE IMPLEMENTATION	1002	IL
DATABASE IMPLEMENTATION	1003	FL
DATABASE IMPLEMENTATION	1007	TX
DATABASE IMPLEMENTATION	1010	NJ
DATABASE IMPLEMENTATION	1013	WY
DATABASE IMPLEMENTATION	1018	FL
HOW TO MANAGE THE MANAGER	1001	GA
E-BUSINESS THE EASY WAY	1006	FL
E-BUSINESS THE EASY WAY	1007	TX

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8.)
select count(*)
from BOOKS
where Retail >= 30;

count(*)
8

9.)
select Max(PubDate)
from BOOKS;

Max(PubDate)
2006-11-11

10.)
select sum((retail-cost)*quantity)
from BOOKS join ORDERITEMS using (ISBN)
join ORDERS using (Order_num)
where Customer_num = 1017;

sum((retail-cost)*quantity)
59.78

11.)
select min(Retail)
from BOOKS
where Category = "CHILDREN";

min(Retail)
8.95

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12.)

```
select Customer_num, count(*)  
from CUSTOMERS join ORDERS using (Customer_num)  
group by Customer_num;
```

Customer_num	count(*)
1001	2
1003	2
1004	1
1005	2
1007	2
1008	1
1010	2
1011	1
1014	1
1015	1
1017	1
1018	2
1019	1
1020	2

13.)

```
select Name, Category, avg(Retail)  
from BOOKS join PUBLISHER using (PubID)  
group by Name, Category  
having avg(average) > 50;
```

Name	Category	avg(Retail)
AMERICAN PUBLISHING	COMPUTER	52.300000
PUBLISH OUR WAY	CHILDREN	59.950000
PUBLISH OUR WAY	COMPUTER	54.500000
REED-N-RITE	FAMILY LIFE	89.950000

14.)

```
select FirstName, LastName, Order_num, sum(Retail*Quantity) as Total  
from CUSTOMERS join ORDERS using (Customer_num)  
join ORDERITEMS using (Order_num)  
join BOOKS using (ISBN)  
where State = "GA" or State = "FL"  
group by Order_num  
having Total > 80  
order by Total;
```

FirstName	LastName	Order_num	Total
LEILA	SMITH	1016	89.95
JAKE	LUCAS	1011	89.95
BONITA	MORALES	1003	106.85
JAKE	LUCAS	1001	121.90

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15.)
select max(Retail)
from BOOKS join BOOKAUTHOR using (ISBN)
join AUTHOR using (AuthorID)
where Fname = "LISA" and Lname = "WHITE";

max(Retail)
39.95