

1. 

```
select Order_num, LastName, FirstName, OrderDate
from ORDERS join CUSTOMERS using(Customer_num)
where ShipDate is null
order by OrderDate;
```

1012	NELSON	BECCA	2009-04-03
1015	FALAH	KENNETH	2009-04-04
1016	SMITH	LEILA	2009-04-04
1019	MONTIASA	GREG	2009-04-05
1018	MORALES	BONITA	2009-04-05
1020	JONES	KENNETH	2009-04-05
2. 

```
select CUSTOMERS.Customer_num, LastName, FirstName, Order_num
from ORDERITEMS join BOOKS using(ISBN) join ORDERS using(Order_num) join CUSTOMERS
using(Customer_num)
where Category = 'COMPUTER';
```

1017	NELSON	BECCA	1012
1007	GIANA	TAMMY	1007
1011	MCGOVERN	REESE	1002
1001	MORALES	BONITA	1003
1007	GIANA	TAMMY	1007
1019	SMITH	JENNIFER	1010
1014	LEE	JASMINE	1013
1001	MORALES	BONITA	1018
1003	SMITH	LEILA	1006
1007	GIANA	TAMMY	1007
3. 

```
select distinct TITLE
from CUSTOMERS join ORDERS using(Customer_num) join ORDERITEMS using(Order_num) join
BOOKS using(ISBN)
where FirstName = 'JAKE' and LastName = 'LUCAS';
```

PAINLESS CHILD-REARING  
HOW TO MANAGE THE MANAGER
4. 

```
select Title, OrderDate, PaidEach - Cost as Profit
from BOOKS natural join ORDERITEMS natural join ORDERS natural join CUSTOMERS
where LastName = 'LUCAS' and FirstName = 'JAKE'
order by OrderDate, PaidEach - Cost desc;
```

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

5. select BOOKS.ISBN, Title  
from AUTHOR natural join BOOKAUTHOR natural join BOOKS  
where Lname = 'ADAMS';  
8843172113 DATABASE IMPLEMENTATION
  
6. select Lname, Fname, Title  
from AUTHOR natural join BOOKAUTHOR natural join BOOKS natural join ORDERITEMS  
natural join ORDERS natural join CUSTOMERS  
where LastName = 'NELSON' and FirstName = 'BECCA';  
BAKER JACK PAINLESS CHILD-REARING  
FIELDS OSCAR PAINLESS CHILD-REARING  
JONES JANICE REVENGE OF MICKEY  
ROBINSON ROBERT PAINLESS CHILD-REARING  
ROBINSON ROBERT BIG BEAR AND LITTLE DOVE  
WHITE WILLIAM HANDCRANKED COMPUTERS  
WHITE LISA HANDCRANKED COMPUTERS
  
7. select Title, Order\_num, ShipState  
from ORDERS natural join ORDERITEMS right outer join BOOKS using(ISBN);  
HOW TO GET FASTER PIZZA  
THE WOK WAY TO COOK  
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 TOOTHPICKS	
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

8.     select count(Retail)  
       from BOOKS  
       where Retail > 30;  
       8
  
9.     select max(PubDate)  
       from BOOKS;  
       2006-11-11
  
10.    select sum((retail - cost) \* quantity)  
       from ORDERS natural join ORDERITEMS natural join BOOKS  
       where Customer\_num = 1017;  
       59.78
  
11.    select min(Retail)  
       from BOOKS  
       where Category = 'CHILDREN';  
       8.95
  
12.    select Customer\_num, count(Customer\_num)  
       from ORDERS  
       group by Customer\_num  
       having count(Customer\_num);

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 PUBLISHER.Name, Category, avg(Retail)  
           from BOOKS natural join PUBLISHER  
           group by PUBLISHER.Name, Category  
           having avg(Retail) > 50;

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 LastName, FirstName, Order\_num, sum(retail \* quantity)  
           from CUSTOMERS natural join ORDERS natural join ORDERITEMS natural join BOOKS  
           group by Order\_num  
           having sum(retail \* quantity) > 80;

LUCAS	JAKE	1001	121.90
MCGOVERN	REESE	1002	111.90
MORALES	BONITA	1003	106.85
FALAH	KENNETH	1004	179.90
GIANA	TAMMY	1007	347.25
LUCAS	JAKE	1011	89.95
NELSON	BECCA	1012	170.90
SMITH	LEILA	1016	89.95

15.     select max(Retail)  
           from BOOKS natural join BOOKAUTHOR natural join AUTHOR  
           where Lname = 'WHITE' and Fname = 'LISA';  
           39.95