1.)
select title, retail
from BOOKS
where (select avg(retail)
from BOOKS) > retail;

title	retail
HOW TO GET FASTER PIZZA	29.95
THE WOK WAY TO COOK	28.75
REVENGE OF MICKEY	22.00
BODYBUILD IN 10 MINUTES A DAY	30.95
HANDCRANKED COMPUTERS	25.00
SHORTEST POEMS	39.95
COOKING WITH MUSHROOMS	19.95
BIG BEAR AND LITTLE DOVE	8.95
HOW TO MANAGE THE MANAGER	31.95

2.)
select title, category, cost
from BOOKS b
where cost < (select avg(cost)
from BOOKS a
where a.category = b.category);

title	category	cost
REVENGE OF MICKEY	FAMILY LIFE	14.20
HANDCRANKED COMPUTERS	COMPUTER	21.80
COOKING WITH MUSHROOMS	COOKING	12.50
BIG BEAR AND LITTLE DOVE	CHILDREN	5.32
DATABASE IMPLEMENTATION	COMPUTER	31.40

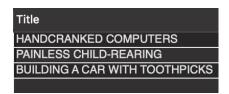
3.)
select Order_num
from ORDERS
where ShipState = (select ShipState
from ORDERS a
where Order_num = 1014);



4.)
select Order_num, sum(Quantity * PaidEach)
from ORDERITEMS
group by Order_num
having sum(Quantity * PaidEach) > (select sum(Quantity * PaidEach)
from ORDERITEMS
where Order_num = 1002);

Order_num	sum(Quantity * PaidEa
1001	117.40
1004	170.90
1007	335.85
1012	166.40

5.)
select Title
from BOOKS
where Category in (select Category
from BOOKS join ORDERITEMS using (ISBN)
join ORDERS using (Order_num)
where Customer_num = 1007)
and ISBN not in (select ISBN
from ORDERS join ORDERITEMS using (Order_num)
where Customer_num = 1007);



6.)
select ShipCity, ShipState
from ORDERS
where datediff(ShipDate, OrderDate) = (select max(datediff(ShipDate, OrderDate))
from ORDERS);

ShipCity	ShipState
TRENTON	NJ

7.)
select Customer_num
from ORDERS join ORDERITEMS using (Order_num)
join BOOKS using (ISBN)
where retail = (select min(retail)
from BOOKS);



8.)
select count(distinct Customer_num)
from ORDERS join ORDERITEMS using (Order_num)
where ISBN in (
select ISBN
from ORDERITEMS join BOOKAUTHOR using (ISBN)
join AUTHOR using (AuthorID)
where Lname = "Austin"
and Fname = "James");



9.) select product_name, list_price from products where list_price > (select avg(list_price) from products) order by list_price desc;

product_name	list_price
Gibson SG	2517.00
Gibson Les Paul	1199.00

10.)
select category_name
from categories c
where not exists(select category_id
from products p
where p.category_id = c.category_id);

category_name Keyboards

11.)

select email_address, order_id, order_date from customers c join orders using (customer_id) where order_date = (select min(order_date) from orders o where o.customer_id = c.customer_id);

email_address	order_id	order_date
allan.sherwood@yahoo.com	1	2012-03-28 09:40:28
barryz@gmail.com	2	2012-03-28 11:23:20
christineb@solarone.com	4	2012-03-30 15:22:31
david.goldstein@hotmail.com	5	2012-03-31 05:43:11
erinv@gmail.com		2012-03-31 18:37:22
frankwilson@sbcglobal.net	7	2012-04-01 23:11:12
gary_hernandez@yahoo.com	8	2012-04-02 11:26:38

12.) select ID, name, salary from instructor where salary = (select max(salary)

from instructor) and salary is not null;

ID	name	salary
22222	Einstein	95000.00

13.)

select ID, name, salary from instructor where salary = (select max(salary) from instructor where salary not in (select max(salary) from instructor) and salary is not null);

ID	name	salary
83821	Brandt	92000.00

14.)

select ID, name, count(distinct course_id) as cnt from instructor join teaches using (ID) group by instructor.ID, instructor.name having count(distinct course_id) = (select max(c) from (select count(course_id) as c from teaches group by teaches.ID) derived);

ID	name	cnt
10101	Srinivasan	3