CSCD327 - Lab5

1) select BOOKS.Title, BOOKS.Retail from BOOKS where BOOKS.Retail < (select avg(BOOKS.Retail)

from BOOKS);

nom Books),		
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 a.Title, b.Category, a.Cost
from BOOKS a, (select BOOKS.Category, avg(BOOKS.Cost) averagecost
from BOOKS
group by BOOKS.Category) b

where a.Category = b.Category and a.Cost < b.averagecost;

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 ORDERS.Order_num
from ORDERS
where ORDERS.ShipState = (select ORDERS.ShipState
from ORDERS

where ORDERS.Order_num = 1014);

Order_num
1007
1014

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

Order_num total_order_amount

1001 117.40

1004 170.90

1007 335.85

1012 166.40

5)
select BOOKS.Title
from BOOKS
where BOOKS.Category in(select distinct BOOKS.Category

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

Title
HANDCRANKED COMPUTERS
PAINLESS CHILD-REARING
BUILDING A CAR WITH TOOTHPICKS

ShipCity ShipState
TRENTON NJ

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7)
select CUSTOMERS.Customer_num
from CUSTOMERS join ORDERS using(Customer_num)
join ORDERITEMS using(Order_num)
join BOOKS using(ISBN)
where retail = (select min(retail)
             from BOOKS);
                                     Customer_num
                                     1007
                                     1017
                                     1015
8)
select count(distinct ORDERS.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 fname = 'JAMES' and lname = 'AUSTIN');
                           count(distinct
                           ORDERS.Customer_num)
                          5
9)
select product_name, list_price
from products
where list_price > (select avg(list_price)
                 from products
                 where list_price > 0)
                 order by list_price desc;
                                product_name
                                                list_price
                               Gibson SG
                                                2517.00
                               Gibson Les Paul
                                               1199.00
10)
select category_name
from categories
where not exists(select 1
               from products p
               where p.category_id = categories.category_id);
                                      category_name
                                     Keyboards
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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	6	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);

	id	name	salary
I	22222	Einstein	95000.00

13)
select id, name, salary
from instructor
where salary = (select max(salary)
from instructor
where salary < (select max(salary)
from instructor));

id	name	salary
83821	Brandt	92000.00

