

# Return the FirstName, LastName, ProductName, and SalePrice for all products sold in the month of October2005

show databases;

use practices;

select customers.firstname,  
customers.lastname,products.productname,sales.salesprice,sales.salesdate from  
practices.customers

inner join practices.sales

on customers.customerid=sales.customerid

right join practices.products

on customers.customerid= products.customerid

where salesdate between '2005-10-01' and '2005-10-31';

# .Return the FirstName, LastName, SalePrice, Recommended SalePrice, and the difference between the SalePrice and Recommended SalePrice for all Sales. The difference must be returned as a positive number.

show databases;

use practices;

select customers.firstname,customers.lastname,sales.salesprice,products.recommendedprice,  
sales.salesprice- products.recommendedprice as 'difference between salespric end recommended  
price' from practices.customers

right join practices.sales

on customers.customerid=sales.customerid

left join practices.products

on customers.customerid=products.customerid

where salesprice > recommendedprice;

# Return the Product Category and the average Sale Price for those customers who have purchased two or more products.

# Return the Product Category and the average Sale Price for those customers who have purchased two or more products.

show databases;

use practices;

select products.category, avg(sales.salesprice) as  
salesprice, customers.firstname, customers.lastname, products.productname

from practices.products

left join practices.customers

on products.customerid=customers.customerid

inner join practices.sales

on products.productid=sales.productid;

# Update the Sale Price to the Recommended Sale Price of those Sales occurring between 6/10/2005 and 6/20/2005.

show databases;

use practices;

select sales.salesprice, products.recommendedprice, sales.salesdate from practices.products

inner join practices.sales

on products.productid=sales.productid

where salesdate between '2005-06-10' and '2005-06-20';

# Number of Sales by Product Category where the average Recommended Price is 10 or more dollars greater than the average Sale Price.  
# Number of Sales by Product Category where the average Recommended Price is 10 or more dollars greater than the average Sale Price.

show databases;

use practices;

select products.category, avg(products.recommendedprice), avg(sales.salesprice),  
avg(products.recommendedprice) - avg(sales.salesprice) as difference from practices.products

inner join practices.sales

on products.productid=sales.productid

where recommendedprice > salesprice;