DSD 602 Database Management – Assessment 1

Task 6

--Create a list of stock items names that have NOT been sold. [5 marks]

select stock.ProductName

from [order]

inner join Stock on stock.StockId <> [order].StockId

--What is the name of the staff member, who has sold stock, and has sold the least $ value of a stock?

select top 1 staff.name, sum(stock.price)

from [order]

inner join staff on staff.Staffid = [order].StaffId

inner join stock on stock.StockId = [order].StockId

group by staff.name

order by name desc

--Create a list of customers' names and the products they have purchased, grouped by Customer.

select customer.Name as CustomerName, stock.ProductName

from customer

inner join [order] on [order].CustomerId = customer.CustomerId

inner join stock on stock.StockId = [order].StockId

group by customer.Name, stock.ProductName

--What is the name of the customer who has made the most orders? [5 marks]

select top 1 Customer.name,count( [order].OrderId) as numberOfOrders

from [order]

inner join customer on customer.CustomerId =[order].CustomerId

group by customer.name

order by count( [order].OrderId) desc

--What is the name of the customer who has spent the most money at the Bike Shop?

select top 1 customer.name, sum(stock.price) as amountSpent

from [order]

inner join customer on customer.customerid = [order].customerid

inner join stock on stock.StockId = [order].StockId

group by customer.name

order by sum(stock.price) desc

--Create a list of the 5 most expensive stock items with their names and prices, and order the result by prices in descending order.

select top 5 productname, price

from stock

order by price desc

--List all the stocks that have Saddle in the Name or Description

select productname, productdescription

from stock

where productname like '%saddle%' or productdescription like '%saddle%'