# BCPR203 - MySQL Queries, Joins and Views

**Complete the following exercises using the premiere.sql script file.**

1. List customers in order of City
2. List customers who don’t live in Grove.
3. List customers who have a balance between $2000 and $4000.
4. List the Maximum, minimum and average customer balance.
5. List the maximum, minimum and average customer balance for each city.
6. List the parts in order of warehouse – and within each warehouse in order of price with the highest price first.
7. List Customers who are within $1000 of their limit (but not the ones who are over their limit).
8. List the parts where the price is less than the average price. *(Hint: use a nested query)*
9. List the rep and the number of customers for each rep.
10. List the parts that are on OrderNum 8.
11. List the orders that contain an order for a gas Range.
12. List the customers, and the name of their rep, who have orders in the system. *(Hint: can use DISTINCT to remove repeating records)*
13. List detailed orders for each customer – in order of customer.
14. List the number of orders allocated to each rep.
15. List each rep and their commission on these orders.
16. List the customers who don’t have Richard Hull (repnum 2) as their rep.
17. List the total orders for each part, by PartNum, and compare with the number OnHand.
18. List Customers with a balance greater than $2000 and less than $3000.
19. List all the orders including customer and rep details and the total value for each order.
20. List the parts for these orders where the order total value is greater than the average order total value.
21. List the orders for customers who live in Grove and their balance is less than 50% of their limit.
22. List the parts ordered where the OrderLine total is greater than $1500.

**For 23-25 execute the SQL once only.**

1. Add your details as a customer.
2. Add 10% to all unit prices – check that this happened.
3. Add a new order for you, today, for 1 gas range, 2 dryers and 1 dishwasher.

**Views**

1. use Views to:

a) List all of the parts ordered by all of the ‘Brookings Direct’ customers.

b) List the customer, the rep, the item and the difference in value for that lineitem where the QuotedPrice is not equal to the Price. Then list the items and the total difference in value for these items.

1. Create views for the following:
2. List of customers who don’t live in Grove and an itemised list of orders for each.
3. List of customers, OrderNum & OrderDate for orders with more than one line.
4. List of reps, their customers and the total no of parts each has ordered.
5. For each Brookings Direct list the no of orders and the average order total price.
6. For each rep list the maximum and minimum order total price for their customers.