Quiz 03 — Joins

TSQL Query Fundamentals

This is a timed test. You have thirty minutes to complete the test. When you finish the test, copy and paste the output file (the file with the `txt` extension, *not* the `sql` extension) to Canvas.

Your deliverable will be a text document containing both your queries and the query results. You will use the Northwind databaase in SQLite to answer the following questions:

1. Write a report giving the employee id, first name, last name, and the average amount of all orders by that employee. Use the SQL 92 syntax. Do not use a `group by` clause. Here is my output:

```
EmployeeID|FirstName|LastName|average_sale
7|Robert|King|802.818125
9|Anne|Dodsworth|775.364485981308
2|Andrew|Fuller|737.548796680498
3|Janet|Leverling|663.711214953271
5|Steven|Buchanan|645.878205128205
4|Margaret|Peacock|595.684404761905
1|Nancy|Davolio|585.923797101449
8|Laura|Callahan|512.696269230769
6|Michael|Suyama|465.464880952381
```

2. In some cities, we have customers, suppliers, and employees. Write a report that lists the customer's contact name, the supplier's contact name, the employee's name, and the city in which all three are located. Use the SQL 92 syntax. Do not use a `group by` clause. Here is my output:

```
customer_contact|supplier_contact|employee_name|City
Thomas Hardy|Charlotte Cooper|Steven Buchanan|London
Thomas Hardy|Charlotte Cooper|Anne Dodsworth|London
Thomas Hardy|Charlotte Cooper|Robert King|London
Thomas Hardy|Charlotte Cooper|Michael Suyama|London
Victoria Ashworth|Charlotte Cooper|Steven Buchanan|London
Victoria Ashworth|Charlotte Cooper|Anne Dodsworth|London
Victoria Ashworth|Charlotte Cooper|Robert King|London
Victoria Ashworth|Charlotte Cooper|Michael Suyama|London
Elizabeth Brown|Charlotte Cooper|Steven Buchanan|London
Elizabeth Brown|Charlotte Cooper|Anne Dodsworth|London
Elizabeth Brown|Charlotte Cooper|Robert King|London
Elizabeth Brown|Charlotte Cooper|Michael Suyama|London
Ann Devon|Charlotte Cooper|Steven Buchanan|London
Ann Devon|Charlotte Cooper|Anne Dodsworth|London
Ann Devon|Charlotte Cooper|Robert King|London
Ann Devon|Charlotte Cooper|Michael Suyama|London
Simon Crowther|Charlotte Cooper|Steven Buchanan|London
Simon Crowther|Charlotte Cooper|Anne Dodsworth|London
Simon Crowther|Charlotte Cooper|Robert King|London
Simon Crowther|Charlotte Cooper|Michael Suyama|London
```

```
Hari Kumar|Charlotte Cooper|Steven Buchanan|London
Hari Kumar|Charlotte Cooper|Anne Dodsworth|London
Hari Kumar|Charlotte Cooper|Robert King|London
Hari Kumar|Charlotte Cooper|Michael Suyama|London
```