SQL Practical

Exercise 1 – Northwind Queries

1.1

Write a query that lists all customers in either Paris or London. Include Customer ID, Company name and all the address fields.

A picture containing application

Description automatically generated

1.2

List all products stored in bottles.

A picture containing application

Description automatically generated

1.3

Repeat question above but add in Supplier Name and Country.

A picture containing application

Description automatically generated

1.4

Write an SQL statement that shows how many products there are in each category. Include category name in results set and list the highest number first.

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Description automatically generated

1.5

List all UK employees using concatenation to join their title of courtesy, first name and last name together. Also include their city of residence.

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Description automatically generated

1.6

List sales totals for all sales regions (via the territories table using 4 joins) with a sales total greater than 1,000,000. Use rounding or FORMAT to present the numbers.

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Description automatically generated

1.7

Count how many orders have a freight amount greater then 100.00 and either USA or UK as Ship Country.

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Description automatically generated

1.8

Write an SQL statement to identify the order number with the highest amount(value) of discount applied to that order.

A picture containing application

Description automatically generated

Exercise 2 – Create Spartans Table

Write the correct SQL statement to create the following table:

2.1

Spartans Table – A table of Spartans. Include separate Title, First Name and Last Name into separate columns, and include University attended, course taken and mark achieved.

Text

Description automatically generated

2.2

Write SQL statements to add to the details of the Spartans to the table you created.

Text

Description automatically generated

Exercise 3 – Northwind Data Analysis linked to Excel

3.1

List all Employees from the Employees table and who they report to. Include Employee names and ReportTo names.

Text

Description automatically generated

3.2

List all Suppliers with total sales over $10,000 in the Order Details table. Include the Company Name from the Suppliers table and present as a bar chart.

A computer screen capture

Description automatically generated with low confidence

3.3

List the Top 10 Customers YTD for the largest year in the Orders file. Based on total value of orders shipped.

Graphical user interface, text, application, email

Description automatically generated

3.4

Plot the Average Ship Time by month for all data in the Orders table using a line chart.

Text, letter

Description automatically generated