SQL Lab 1 - Makeup

**Individual Exercises (DO NOT COLLABORATE!)** Although you can ask for a little help if you are stuck.

Create a .sql file and write your code on it. Make sure you save often.

*Remember at each stage to comment your query and save it.*

From the information provided can you identify what is a primary key, a foreign key and the type of relationship between the tables? (This is not to be answered, just for you to ponder).

For all the questions in this assignment

1. Comment out the question and include it as reference in your SQL code.
2. Any Answers that need to be added (that are more essay-like) need to be in the SQL file and commented out.
3. Alias all table names.
4. Include the table name alias when pulling the column.
5. Provide an alias for columns when the column does not have a name.
6. End all statements with a semi-colon.

I just want the query – NOT the result-set. Please only submit the .SQL file.

**Exercise 1**

Scenario:

AdventureWorks management is attempting to learn more about the vendors in their database.  You have been asked to produce a list of vendors’ Account Number, Name, and Credit Rating.

The main tasks in this exercise are:

* Identify which table contains the information you require
* Check what fields the table holds
* Generate a query by using the SELECT statement with the FROM clause.

**Exercise 2**

Scenario

The human resources department needs a list of employees to do some diversity calculations. They are requesting the fields: job title, birth date, marital status, gender, and hire date. Sort in descending order.

The main tasks in this exercise are:

* Identify the correct table in the database that contains the information you need.
* Write a SELECT statement that includes, job title, birth date, marital status, gender, and hire date.
* Sort the results by the hire date in descending order.

**Exercise 3**

Scenario

The human resources department also wants a distinct list of job titles for their research.  In their list they need the job title.

The main tasks in this exercise are:

* Identify which table contains the information you require.
* Write the SELECT statement that retrieves the correct field.
* Make sure the list is a distinct list of job titles.

**Exercise 4**

Scenario

The marketing department is trying to get an ad created. They are wondering how many products the company has that are of the color ‘Red’. Get the name of the product, the product number, the size, weight, and color.  Retrieve the details from the correct table using a SELECT statement and the WHERE clause.

**Exercise 5**

Scenario

Select product information (product ID, name, standard cost, and color) that have names that start with “Long” or “Short”.

**Exercise 6**

Scenario

A linguist in the marketing department has requested a list of all people with last names that contain either ‘ton’ or ‘van’. Please include title, first name, middle name, and last name. Please sort by last name.

**Exercise 7**

Scenario

Using Employee, list the different job titles that are not salaried (each title should appear only once). Include all non-salaried job titles in alphabetical order.

**Exercise 8**

Scenario

Using SalesTerritory and SalesOrderHeader, provide a query showing TerritoryID, the Territory Name, the SalesYTD. Sort by SalesYTD descending.