

Mattia Danese
CS20 - Web Programming
Professor DiOrio
Assignment 11: SQL Practice

Part 1

Question 1-1: Display the company name, contact name, and title for all CUSTOMERS.

```
SELECT CompanyName, ContactName, ContactTitle  
FROM customers
```

Question 1-2: Display all information for all German SUPPLIERS

```
SELECT *  
FROM suppliers  
WHERE Country = "Germany"
```

Question 1-3: Display name of all EMPLOYEES whose birthday was in 1960 or later.

```
SELECT FirstName, LastName  
FROM employees  
WHERE BirthDate >= "1960-01-01"
```

Question 1-4: Display name, unit price of all PRODUCTS whose price is between \$10 and \$20 sorted from highest to lowest price

```
SELECT ProductName, UnitPrice  
FROM products  
WHERE UnitPrice >= 10 AND UnitPrice <= 20  
ORDER BY UnitPrice DESC
```

Part 2 - Advanced

Question 2-1: Display all countries in which the company has CUSTOMERS - with no repeats

```
SELECT DISTINCT(Country)
FROM customers
```

Question 2-2: Display the PRODUCT name and price for suppliers 9-15 sorted by supplier number and then by product name

```
SELECT ProductName, UnitPrice
FROM products p, suppliers s
WHERE p.SupplierID = s.SupplierID AND
      s.SupplierID >= 9 AND s.SupplierID <= 15
ORDER BY s.SupplierID, ProductName
```

Question 2-3: Display the name and price for PRODUCTS that are Dairy or Meat and are supplied by Formaggi Fortini s.r.l. or Norske Meierier.

```
SELECT ProductName, UnitPrice, CategoryName, CompanyName
FROM products p, suppliers s, categories c
WHERE p.CategoryID = c.CategoryID AND
      (c.CategoryName = 'Meat/Poultry' OR c.CategoryName = 'Dairy
      Products') AND
      p.SupplierID = s.SupplierID AND
      (s.CompanyName = 'Formaggi Fortini s.r.l.' OR s.CompanyName
      = 'Norske Meierier')
```

Question 2-4: Display all information for PRODUCTS that come in jars or bottles.

```
SELECT *
FROM products
WHERE QuantityPerUnit LIKE "%jar%" OR
      QuantityPerUnit LIKE "%bottle%"
```

Question 2-5: Display the name of all EMPLOYEES involved with sales (hint: use the title) sorted alphabetically by their last name.

```
SELECT FirstName, LastName
FROM employees
```

```
WHERE title = 'Sales Representative'  
ORDER BY LastName
```

Part 3 - Joins

Question: 3-1: Display the names of all products in the beverages category

```
SELECT ProductName
FROM products p INNER JOIN categories c ON p.CategoryID =
c.CategoryID
WHERE CategoryName = 'Beverages'
```

Question: 3-2: Display the product name and supplier name of all products from suppliers: Mayumi's or Leka Trading

```
SELECT ProductName, CompanyName
FROM products p INNER JOIN suppliers s ON p.SupplierID =
s.SupplierID
WHERE CompanyName = "Mayumi's" OR CompanyName = 'Leka Trading'
```

Question: 3-3: Display the product name and supplier name for all products that cost less than \$10 but only for suppliers from the US.

```
SELECT ProductName, CompanyName
FROM products p INNER JOIN suppliers s ON p.SupplierID =
s.SupplierID
WHERE UnitPrice < 10 AND
      Country = 'USA'
```