

# SQL Questions

For each of the following questions write down the SQL statement and write down the number of records you get after running it. And answer any extra questions.

- 1. Get the contact names of all customers that live in London? How many customers live in London?**

```
SELECT ContactName  
FROM Customers  
WHERE City = "London";
```

6 Customers live in London

- 2. Get the dates and name of the customers of all orders sorted by the contact name. How many records does that produce? How many orders has "Thomas Hardy" made?**

```
SELECT ContactName, OrderDate  
FROM Customers, Orders  
WHERE Customers.CustomerID = Orders.CustomerID  
ORDER BY ContactName;
```

196 Records

Thomas Hardy has made 2 Orders

- 3. Get the list of products every customer has ordered, show me the contact names and the product name that they ordered. How many records do you get?**

```
SELECT ContactName, ProductName  
FROM Customers, Orders, OrderDetails, Products  
WHERE Customers.CustomerID = Orders.CustomerID  
AND Orders.OrderID = OrderDetails.OrderID  
AND OrderDetails.ProductID = Products.ProductID;
```

518 Records

- 4. Get the name and drink that every customer that ordered a beverage has ordered. Sort this by the date of order. Who was the first to order? How many records do you get?**

```
SELECT ContactName, ProductName  
FROM Customers, Orders, OrderDetails, Products, Categories
```

```
WHERE Customers.CustomerID = Orders.CustomerID
AND Orders.OrderID = OrderDetails.OrderID
AND OrderDetails.ProductID = Products.ProductID
AND Products.CategoryID = Categories.CategoryID
AND Categories.CategoryName = "Beverages"
ORDER BY OrderDate;
```

93 Records

The first to order was Mario Pontes.

**5. Write an SQL Query to retrieve the ContactName, OrderDate, PostalCode of all Dairy Products worth over £50. These should be sorted by contact name so that the first name is the first alphabetically. Who ordered the most expensive cheese?**

```
SELECT ContactName, OrderDate, PostalCode
FROM Customers, Orders, OrderDetails, Products, Categories
WHERE Customers.CustomerID = Orders.CustomerID
AND Orders.OrderID = OrderDetails.OrderID
AND OrderDetails.ProductID = Products.ProductID
AND Products.CategoryID = Categories.CategoryID
AND Categories.CategoryName = "Dairy Products"
AND Price > 50.0
ORDER BY ContactName;
```

André Fonseca ordered the most expensive cheese.

## **EXTENSION**

**Write an SQL Query to retrieve the ContactName and the total order cost of all products that that user has ever ordered. Have a look at this page for some hints: [https://www.w3schools.com/sql/sql\\_count\\_avg\\_sum.asp](https://www.w3schools.com/sql/sql_count_avg_sum.asp)**