

Perfect Pizza Queries – Example Solutions

1. A list of all employees' last names, first names, and hire dates sorted by hire date from longest tenure to shortest tenure

```
SELECT EmployeeLastName, EmployeeFirstName, EmployeeHireDate
FROM Employee
ORDER BY EmployeeHireDate
```

2. A list of all customers and their addresses that live in zip code 98001 sorted by customer last name

```
SELECT CustomerLastName, CustomerAddress1, CustomerAddress2, CustomerCity,
CustomerState, CustomerZip
FROM Customer
WHERE CustomerZip = '98001'
ORDER BY CustomerLastName DESC
```

3. A list of all product names that shows how many units of each product have been sold.

(This first one will list all products regardless if any sales have been made).

```
SELECT ProductName, SUM(OrderDetailQuantity) AS NumberSold
FROM product AS p
LEFT OUTER JOIN orderdetail AS od ON p.ProductKey = od.Product_ProductKey
GROUP BY p.ProductName
```

(This one limits it to those that have sales, as shown in the example).

```
SELECT ProductName, SUM(OrderDetailQuantity) AS NumberSold
FROM product AS p
INNER JOIN orderdetail AS od ON p.ProductKey = od.Product_ProductKey
GROUP BY p.ProductName
```

4. A list of employees and the total revenue from pizza generated by each employee ordered from highest revenue to lowest

```
SELECT EmployeeLastName, EmployeeFirstName, SUM(OrderDetailPriceCharged) As
pizzaRevenue
FROM Employee AS e
LEFT OUTER JOIN CustomerOrder AS co ON e.EmployeeKey = co.Employee_EmployeeKey
INNER JOIN OrderDetail AS od ON co.OrderKey = od.CustomerOrder_OrderKey
WHERE Product_ProductKey LIKE 'basic%' OR Product_ProductKey LIKE 'special%'
GROUP BY e.EmployeeLastName
ORDER BY pizzaRevenue DESC
```

NOTE THAT YOUR FIELD NAMES MAY VARY SLIGHTLY