

- **The question number: 1**
Retrieve the order ID, **customer name**, and order date for all orders placed by customers in Germany.
- **The SQL query that you created to answer the question**
selectorderid, companyname, orderdate **from** orders o
join customers c
on o.customerid = c.customerid
where c.country = 'Germany' ;
- **A screenshot of the output that your query produces.**

	123 orderid	A-7 companyname	🕒 orderdate
1	10,249	Toms Spezialitäten	1996-07-05
2	10,260	Ottilies Käseladen	1996-07-19
3	10,267	Frankenversand	1996-07-29
4	10,273	QUICK-Stop	1996-08-05
5	10,277	Morgenstern Gesundkost	1996-08-09
6	10,279	Lehmanns Marktstand	1996-08-13
7	10,284	Lehmanns Marktstand	1996-08-19
8	10,285	QUICK-Stop	1996-08-20
9	10,286	QUICK-Stop	1996-08-21
10	10,301	Die Wandernde Kuh	1996-09-09
11	10,312	Die Wandernde Kuh	1996-09-23
12	10,313	QUICK-Stop	1996-09-24
13	10,323	Königlich Essen	1996-10-07
14	10,325	Königlich Essen	1996-10-09
15	10,337	Frankenversand	1996-10-24

- **The question number: 2**
List the product names and corresponding supplier names for all products supplied by suppliers located in the USA.
- **The SQL query that you created to answer the question**

```
select productname, companyname as suppliername from suppliers sp
join products p
on p.supplierid = sp.supplierid
where sp.country = 'USA';
```
- **A screenshot of the output that your query produces.**

	A-Z productname ▼	A-Z suppliername ▼
1	Chef Anton's Cajun Seasoning	New Orleans Cajun Delights
2	Chef Anton's Gumbo Mix	New Orleans Cajun Delights
3	Grandma's Boysenberry Spread	Grandma Kelly's Homestead
4	Uncle Bob's Organic Dried Pears	Grandma Kelly's Homestead
5	Northwoods Cranberry Sauce	Grandma Kelly's Homestead
6	Sasquatch Ale	Bigfoot Breweries
7	Steeleye Stout	Bigfoot Breweries
8	Boston Crab Meat	New England Seafood Cannery
9	Jack's New England Clam Chowder	New England Seafood Cannery
10	Louisiana Fiery Hot Pepper Sauce	New Orleans Cajun Delights
11	Louisiana Hot Spiced Okra	New Orleans Cajun Delights
12	Laughing Lumberjack Lager	Bigfoot Breweries

- **The question number: 3**
Display the product names and the category names for all products in the 'Beverages' or the 'Condiments' category.
- **The SQL query that you created to answer the question**

```
select p.productname, c.categoryname from products p
join categories c
on p.categoryid = c.categoryid
where categoryname in ('Beverages', 'Condiments');
```
- **A screenshot of the output that your query produces.**

	A-Z productname ▼	A-Z categoryname ▼
1	Chai	Beverages
2	Chang	Beverages
3	Aniseed Syrup	Condiments
4	Chef Anton's Cajun Seasoning	Condiments
5	Chef Anton's Gumbo Mix	Condiments
6	Grandma's Boysenberry Spread	Condiments
7	Northwoods Cranberry Sauce	Condiments
8	Genen Shouyu	Condiments
9	Guaraná Fantástica	Beverages
10	Sasquatch Ale	Beverages
11	Steeleye Stout	Beverages
12	Côte de Blaye	Beverages
13	Chartreuse verte	Beverages
14	Ipoh Coffee	Beverages
15	Gula Malacca	Condiments

- **The question number: 4**
Show the order ID, customer name, and freight amount for all orders where the freight cost exceeds \$100.
- **The SQL query that you created to answer the question**

```
select o.orderid, c.companyname, o.freight from orders o
join customers c
on o.customerid = c.customerid
where o.freight > 100;
```
- **A screenshot of the output that your query produces.**

	123 orderid ▼	A-7 companyname ▼	123 freight ▼
1	10,255	Richter Supermarkt	148.33
2	10,258	Ernst Handel	140.51
3	10,263	Ernst Handel	146.06
4	10,267	Frankenversand	208.58
5	10,270	Wartian Herkku	136.54
6	10,277	Morgenstern Gesundkost	125.77
7	10,286	QUICK-Stop	229.24
8	10,294	Rattlesnake Canyon Grocery	147.26
9	10,298	Hungry Owl All-Night Grocers	168.22
10	10,303	Godos Cocina Típica	107.83
11	10,305	Old World Delicatessen	257.62
12	10,316	Rattlesnake Canyon Grocery	150.15
13	10,324	Save-a-lot Markets	214.27
14	10,329	Split Rail Beer & Ale	191.67
15	10,337	Frankenversand	108.26

- **The question number: 5**

Northwind Traders will prioritize re-ordering a certain product if:

- (1) UnitsIn- Stock plus UnitsOnOrder are less than or equal to ReorderLevel,
- (2) the product is not discontinued (Discontinued =0), and
- (3) the product has been ordered more than 1 Ume.

Which products need to be prioritized for reordering? Only display product id and name and sort output by product id.

- **The SQL query that you created to answer the question**

```
select p.productid, p.productname from products p
join orderdetails od
on p.productid = od.productid
where p.discontinued = 0 and ((p.unitsinstock + p.unitsonorder) <=
p.reorderlevel)
group by p.productid
having count(orderid) > 0;
```

- **A screenshot of the output that your query produces.**

	123 productid	A-Z productname
1	30	Nord-Ost Matjeshering
2	70	Outback Lager

- **The question number: 6**
How many orders were shipped by United Package and Speedy Express (combined) in 1997?
- **The SQL query that you created to answer the question**
`select count(orderid) as order1997 from orders o
join shippers s
on o.shipvia = s.shipperid
where s.companyname in ('United Package', 'Speedy Express') and
(o.shippeddate between '1997-01-01' and '1997-12-31')`
- **A screenshot of the output that your query produces.**

	123 order1997 ▼
1	273

- **The question number: 7**
Northwind's operations team has noted the high cost of freight charges for Speedy Express shipments. For 1996, return the three ship countries with the highest average freight, in descending average freight order, for orders fulfilled by Speedy Express.
- **The SQL query that you created to answer the question**

```
select o.shipcountry, round(avg(o.freight)) as avg_freight from orders o
join shippers s
on o.shipvia = s.shipperid
where s.companyname = 'Speedy Express' and (o.shippeddate between
'1996-01-01' and '1996-12-31')
group by o.shipcountry
order by avg_freight desc
limit 3;
```
- **A screenshot of the output that your query produces.**

	A-Z shipcountry ▼	123 avg_freight ▼
1	Finland	137
2	Austria	131
3	Germany	78

- **The question number: 8**
Some salespeople have more orders arriving late than other salespeople (“late” defined as RequiredDate <= ShippedDate). Which salespeople have at least 5 orders arriving late? Do not show any employees with less than 5 late orders and sort output starting with the employee that has the most late orders.
- **The SQL query that you created to answer the question**

```
select e.lastname, e.firstname, count(*) as lateorders from orders o
join employees e
on o.employeeid = e.employeeid
where o.requireddate <= o.shippeddate
group by e.lastname, e.firstname
having count(*) >= 5
order by lateorders desc;
```
- **A screenshot of the output that your query produces.**

	A-Z lastname ▼	A-Z firstname ▼	123 lateorders ▼
1	Peacock	Margaret	10
2	Callahan	Laura	5
3	Dodsworth	Anne	5
4	Leverling	Janet	5