

6. List supplier number and supplier name for all suppliers for which there are no current orders. Sort the list in ascending order by supplier name.

Run SQL query/queries on database 4407Group4: ?

```
1 SELECT
2   DISTINCT supplier.supplierNum, supplier.supplierName
3 FROM
4   supplier, productOrder
5 WHERE productOrder.orderDateReceived IS NOT NULL
6 ORDER BY
7   supplier.supplierName;
```

Clear Format Get auto-saved query

☐ Bind parameters ?

Delimiter : ☐ Show this query here again ☐ Retain query box ☐ Rollback when finished ☒ Enable foreign key checks Go

Hide query box

Showing rows 0 - 11 (12 total, Query took 0.0007 seconds.) [supplierName: AEROS... - XNATION...]

SELECT DISTINCT supplier.supplierNum, supplier.supplierName FROM supplier, productOrder WHERE productOrder.orderDateReceived IS NOT NULL ORDER BY supplier.supplierName

supplierNum	supplierName
2	Aeros
10	Airush
3	Airwave
9	Cabrhina
11	Caution
5	Flightstar
7	Phantom
6	Quicksilver
4	Skywalk
8	Slingshot
1	Wills Wing
12	Xnation

7. List all sales in the past two years. Include sales date, customer number, customer name (concatenated like “First Last”), model number, model description, model manufacturer, and sales price. Sort the output by sales date.

Run SQL query/queries on database 4407Group4:

```

1 SELECT
2 transaction.salesAgreementDate AS 'Sales Date', customer.customerNum, CONCAT(customer.customerFirstName, ' ', customer.customerLastName) AS 'Customer', productCategory.modelNum AS 'Model #',
3 productCategory.modelDescription AS 'Model Description', productCategory.modelManufacturer AS 'Manufacturer', itemSold.equipmentSalePrice AS Price
4 FROM customer, transaction, itemSold, productCategory, saleLineItem
5 WHERE customer.customerNum = transaction.customerNum
6 AND transaction.salesAgreementNum = saleLineItem.salesAgreementNum
7 AND saleLineItem.equipmentSerialNum = itemSold.equipmentSerialNum
8 AND productCategory.modelNum = itemSold.modelNum
9 AND transaction.salesAgreementDate > CURRENT_DATE - INTERVAL 24 MONTH
10 ORDER BY 'Sales Date';

```

Clear Format Get auto-saved query

☐ Bind parameters

Delimiter : ☐ Show this query here again ☐ Retain query box ☐ Rollback when finished ☒ Enable foreign key checks Go

Hide query box

Showing rows 0 - 10 (11 total. Query took 0.0011 seconds.)

```

SELECT transaction.salesAgreementDate AS 'Sales Date', customer.customerNum, CONCAT(customer.customerFirstName, ' ', customer.customerLastName) AS 'Customer', productCategory.modelNum AS 'Model #',
productCategory.modelDescription AS 'Model Description', productCategory.modelManufacturer AS 'Manufacturer', itemSold.equipmentSalePrice AS Price FROM customer, transaction, itemSold, productCategory, saleLineItem WHERE
customer.customerNum = transaction.customerNum AND transaction.salesAgreementNum = saleLineItem.salesAgreementNum AND saleLineItem.equipmentSerialNum = itemSold.equipmentSerialNum AND productCategory.modelNum =
itemSold.modelNum AND transaction.salesAgreementDate > CURRENT_DATE - INTERVAL 24 MONTH ORDER BY 'Sales Date'

```

Sales Date	customerNum	Customer	Model #	Model Description	Manufacturer	Price
2019-06-06	5	Edna James	1	Paraglider - Cayenne	Skywalk	4070.00
2019-06-06	5	Edna James	1	Paraglider - Cayenne	Skywalk	4070.00
2019-06-30	4	Jim "Great" Dane	3	Hang Glider - Pulse	Airwave	5720.00
2019-07-02	6	Walt Etheridge	2	Hang Glider - Eagle 180	Aeros	5280.00
2019-07-02	6	Walt Etheridge	6	Hang Glider - Stalker	Aeros	5170.00
2020-05-30	7	Edward Haskell	7	Hang Glider - Stealth 151	Aeros	5940.00
2020-06-01	5	Edna James	1	Paraglider - Cayenne	Skywalk	4070.00
2020-06-21	1	Walter Jones	7	Hang Glider - Stealth 151	Aeros	5940.00
2020-06-21	8	Ed Wallace	10	Paraglider - Tequila	Skywalk	5500.00
2020-06-22	1	Walter Jones	11	Kiteboard - Wasp 3	Cabrinha	2860.00
2020-07-24	4	Jim "Great" Dane	11	Kiteboard - Wasp 3	Cabrinha	2860.00

8. Stage 1: For each product category, list the model number, description, and the total number of sales from that category.

Run SQL query/queries on database 4407Group4:

```

1 SELECT productCategory.modelNum, productCategory.modelDescription, COUNT(itemSold.modelNum) AS 'Total Sales'
2 FROM productCategory, itemSold
3 WHERE itemSold.modelNum = productCategory.modelNum
4 GROUP BY productCategory.modelNum;
5

```

Clear Format Get auto-saved query

☐ Bind parameters

Delimiter : ☒ Show this query here again ☐ Retain query box ☐ Rollback when finished ☒ Enable foreign key checks Go

Hide query box

Showing rows 0 - 10 (11 total, Query took 0.0006 seconds.)

```

SELECT productCategory.modelNum, productCategory.modelDescription, COUNT(itemSold.modelNum) AS 'Total Sales' FROM productCategory, itemSold WHERE itemSold.modelNum = productCategory.modelNum GROUP BY productCategory.modelNum

```

modelNum	modelDescription	Total Sales
1	Paraglider - Cayenne	3
2	Hang Glider - Eagle 180	1
3	Hang Glider - Pulse	1
4	Kiteboard - Reactor 2012	1
5	Kiteboard - Spitfire 2010	1
6	Hang Glider - Stalker	1
7	Hang Glider - Stealth 151	2
8	Hang Glider - Talon 140	1
9	Hang Glider - Talon 160	1
10	Paraglider - Tequila	1
11	Kiteboard - Wasp 3	2

Stage 2: List the model number, description, and the total number of sales for the product category that has the highest number of sales.

Run SQL query/queries on database 4407Group4:

```

1 SELECT*
2 FROM
3     'Del 5 Q8a'
4 ORDER BY MAX('Total Sales');

```

Clear Format Get auto-saved query

☐ Bind parameters

Delimiter : ☒ Show this query here again ☐ Retain query box ☐ Rollback when finished ☒ Enable foreign key checks Go

Hide query box

Current selection does not contain a unique column. Grid edit, checkbox, Edit, Copy and Delete features are not available.

Showing rows 0 - 0 (1 total, Query took 0.0007 seconds.)

```

SELECT* FROM 'Del 5 Q8a' ORDER BY MAX('Total Sales')

```

modelNum	modelDescription	Total Sales
1	Paraglider - Cayenne	3

9. List the model number, description, and number of suppliers for those product categories that were supplied by multiple suppliers.

Part 1:

Show query box

⚠ Current selection does not contain a unique column. Grid edit, checkbox, Edit, Copy and Delete features are not available. ⓘ

✓ Showing rows 0 - 13 (14 total, Query took 0.0009 seconds.) [modelNum: 1... - 11...] [orderNum: 6... - 12...]

```
SELECT productCategory.modelNum, productCategory.modelDescription, productOrder.orderNum, supplier.supplierNum, supplier.supplierName, restockLineItem.lineItemEquipmentPrice FROM productCategory,restockLineItem,productOrder, supplier WHERE productCategory.modelNum=restockLineItem.modelNum AND restockLineItem.orderNum=productOrder.orderNum AND productOrder.supplierNum=supplier.supplierNum ORDER BY productCategory.modelNum, productOrder.orderNum
```

modelNum	modelDescription	orderNum	supplierNum	supplierName	lineItemEquipmentPrice
1	Paraglider - Cayenne	6	4	Skywalk	3700.00
1	Paraglider - Cayenne	7	2	Aeros	3700.00
1	Paraglider - Cayenne	14	2	Aeros	3700.00
2	Hang Glider - Eagle 180	7	2	Aeros	4800.00
3	Hang Glider - Pulse	5	4	Skywalk	5200.00
4	Kiteboard - Reactor 2012	4	3	Airwave	5000.00
5	Kiteboard - Spitfire 2010	1	11	Caution	2400.00
6	Hang Glider - Stalker	8	2	Aeros	4700.00
7	Hang Glider - Stealth 151	9	9	Cabrhina	5400.00
8	Hang Glider - Talon 140	2	1	Wills Wing	4300.00
8	Hang Glider - Talon 140	15	10	Airush	4300.00
9	Hang Glider - Talon 160	3	10	Airush	4200.00
10	Paraglider - Tequila	11	4	Skywalk	5000.00
11	Kiteboard - Wasp 3	12	6	Quicksilver	2600.00

Show query box

⚠ Current selection does not contain a unique column. Grid edit, checkbox, Edit, Copy and Delete features are not available. ⓘ

✓ Showing rows 0 - 13 (14 total, Query took 0.0007 seconds.)

```
SELECT productCategory.modelNum, productCategory.modelDescription, supplier.supplierNum FROM productCategory,restockLineItem,productOrder, supplier WHERE productCategory.modelNum=restockLineItem.modelNum AND restockLineItem.orderNum=productOrder.orderNum AND productOrder.supplierNum=supplier.supplierNum
```

modelNum	modelDescription	supplierNum
8	Hang Glider - Talon 140	1
1	Paraglider - Cayenne	2
2	Hang Glider - Eagle 180	2
6	Hang Glider - Stalker	2
1	Paraglider - Cayenne	2
4	Kiteboard - Reactor 2012	3
3	Hang Glider - Pulse	4
1	Paraglider - Cayenne	4
10	Paraglider - Tequila	4
11	Kiteboard - Wasp 3	6
7	Hang Glider - Stealth 151	9
9	Hang Glider - Talon 160	10
8	Hang Glider - Talon 140	10
5	Kiteboard - Spitfire 2010	11

9 Part 2:

Hide query box

✓ Showing rows 0 - 1 (2 total, Query took 0.0008 seconds.) [modelNum: 1... - 8...]

```
SELECT productCategory.modelNum, productCategory.modelDescription, COUNT(DISTINCT supplier.supplierNum) AS Total_supplier FROM productCategory,restockLineItem,productOrder, supplier WHERE productCategory.modelNum=restockLineItem.modelNum AND restockLineItem.orderNum=productOrder.orderNum AND productOrder.supplierNum=supplier.supplierNum GROUP BY productCategory.modelDescription HAVING COUNT(Total_supplier)>1 ORDER BY modelNum ASC
```

modelNum	modelDescription	Total_supplier
1	Paraglider - Cayenne	2
8	Hang Glider - Talon 140	2

10. Using a prepared statement, write a query that uses a placeholder that accepts a customer number via a variable and then lists all credit cards associated with that customer. Include customer number, customer name (concatenated like "First Last"), card number, card type (Visa, MasterCard, etc.), and expiration year and month, in the format mm/yyyy.

Run SQL query/queries on database 4407Group4:

```
1 PREPARE customerNum_in FROM
2 *SELECT customer.customerNum, CONCAT(customer.customerFirstName, ' ', customer.customerLastName) AS `Name`,
3 creditCard.creditCardNum, creditCard.creditCardType, CONCAT(creditCard.creditCardExpirationMonth, '/', creditCard.creditCardExpirationYear) AS `Exp Date`
4 FROM customer, holdsAccount, creditCard
5 WHERE customer.customerNum=holdsAccount.customerNum
6 AND holdsAccount.creditCardNum= creditCard.creditCardNum
7 AND customer.customerNum LIKE ?";
8 SET @a= 1;
9 EXECUTE customerNum_in USING @a;
```

Clear Format Get auto-saved query

☐ Bind parameters

Delimiter : ☒ Show this query here again ☐ Retain query box ☐ Rollback when finished ☒ Enable foreign key checks Go

Hide query box

MySQL returned an empty result set (i.e. zero rows). (Query took 0.0005 seconds.)

```
PREPARE customerNum_in FROM *SELECT customer.customerNum, CONCAT(customer.customerFirstName, ' ', customer.customerLastName) AS `Name`, creditCard.creditCardNum, creditCard.creditCardType,
CONCAT(creditCard.creditCardExpirationMonth, '/', creditCard.creditCardExpirationYear) AS `Exp Date` FROM customer, holdsAccount, creditCard WHERE customer.customerNum=holdsAccount.customerNum AND
holdsAccount.creditCardNum= creditCard.creditCardNum AND customer.customerNum LIKE ?"
```

MySQL returned an empty result set (i.e. zero rows). (Query took 0.0004 seconds.)

```
SET @a= 1
```

Showing rows 0 - 1 (2 total, Query took 0.0006 seconds.)

```
EXECUTE customerNum_in USING @a
```

customerNum	Name	creditCardNum	creditCardType	Exp Date
1	Walter Jones	4120666734254132	Visa	2/2023
1	Walter Jones	5268080043376894	MasterCard	1/2022

MySQL returned an empty result set (i.e. zero rows). (Query took 0.0004 seconds.)

```
-- DEALLOCATE PREPARE customerNum_in;
```

Run SQL query/queries on database 4407Group4:

```
1 PREPARE customerNum_in FROM
2 *SELECT customer.customerNum, CONCAT(customer.customerFirstName, ' ', customer.customerLastName) AS `Name`, creditCard.creditCardNum, creditCard.creditCardType,
3 creditCard.creditCardNum, creditCard.creditCardType, CONCAT(creditCard.creditCardExpirationMonth, '/', creditCard.creditCardExpirationYear) AS `Exp Date`
4 FROM customer, holdsAccount, creditCard
5 WHERE customer.customerNum=holdsAccount.customerNum
6 AND holdsAccount.creditCardNum= creditCard.creditCardNum
7 AND customer.customerNum LIKE ?";
8 SET @a= 2;
9 EXECUTE customerNum_in USING @a;
10 -- DEALLOCATE PREPARE customerNum_in;
```

Clear Format Get auto-saved query

☐ Bind parameters

Delimiter : ☒ Show this query here again ☐ Retain query box ☐ Rollback when finished ☒ Enable foreign key checks Go

Hide query box

MySQL returned an empty result set (i.e. zero rows). (Query took 0.0009 seconds.)

```
PREPARE customerNum_in FROM *SELECT customer.customerNum, CONCAT(customer.customerFirstName, ' ', customer.customerLastName) AS `Name`, creditCard.creditCardNum, creditCard.creditCardType,
CONCAT(creditCard.creditCardExpirationMonth, '/', creditCard.creditCardExpirationYear) AS `Exp Date` FROM customer, holdsAccount, creditCard WHERE customer.customerNum=holdsAccount.customerNum AND
holdsAccount.creditCardNum= creditCard.creditCardNum AND customer.customerNum LIKE ?"
```

MySQL returned an empty result set (i.e. zero rows). (Query took 0.0004 seconds.)

```
SET @a= 2
```

Showing rows 0 - 0 (1 total, Query took 0.0006 seconds.)

```
EXECUTE customerNum_in USING @a
```

customerNum	Name	creditCardNum	creditCardType	Exp Date
2	Bert Smith	5140123408221452	Amex	6/2023

MySQL returned an empty result set (i.e. zero rows). (Query took 0.0003 seconds.)

```
-- DEALLOCATE PREPARE customerNum_in;
```