SQL

Below is a selection of demo table not the full table

CustomerID	CustomerName	ContactName	Address	City	PostalCode	Country
1	Alfreds Futterkiste	Maria Anders	Obere Str. 57	Berlin	12209	Germany
2	Ana Trujillo Emparedados y helados	Ana Trujillo	Avda. de la Constitución 2222	México D.F.	05021	Mexico
3	Antonio Moreno Taquería	Antonio Moreno	Mataderos 2312	México D.F.	05023	Mexico
4	Around the Horn	Thomas Hardy	120 Hanover Sq.	London	WA1 1DP	UK
5	Berglunds snabbköp	Christina Berglund	Berguvsvägen 8	Luleå	S-958 22	Sweden

1. select	SELECT column1, column2,				
i. select	FROM table name;				
	TROM Cable_name,				
	SELECT * FROM table_name;				
2 select	SELECT DISTINCT Country FROM Customers;				
distinct					
	SELECT COUNT(DISTINCT Country) FROM Customers;				
	SELECT Count(*) AS DistinctCountries				
	FROM (SELECT DISTINCT Country FROM Customers);				
3 Where	SELECT * FROM Customers				
	WHERE Country='Mexico';				
4 And Or	SELECT column1, column2,				
Not	FROM table_name				
	WHERE condition1 AND condition2 AND condition3;				
	SELECT column1, column2,				
	FROM table name				
	WHERE condition1 OR condition2 OR condition3;				
	SELECT column1, column2,				
	FROM table_name WHERE NOT condition;				
	WHERE NOT CONDICTION,				
	SELECT * FROM Customers				
	WHERE Country='Germany' AND (City='Berlin' OR City='München');				
5. Order	SELECT column1, column2,				
Ву	FROM table_name				
	ORDER BY column1, column2, ASC DESC;				
	SELECT * FROM Customers				
	ORDER BY Country ASC, CustomerName DESC;				
6.insert	<pre>INSERT INTO table_name (column1, column2, column3,)</pre>				
into	VALUES (value1, value2, value3,);				
	INSERT INTO table_name				
	VALUES (value1, value2, value3,);				
	1 (

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INSERT INTO Customers (CustomerName, ContactName, Address, City, PostalCode, Country)
          VALUES ('Cardinal', 'Tom B. Erichsen', 'Skagen 21', 'Stavanger', '4006', 'Norway');
7 Null
          SELECT column names
          FROM table name
          WHERE column name IS NULL;
          SELECT column_names
          FROM table name
          WHERE column name IS NOT NULL;
8 update
          UPDATE table name
          SET column1 = value1, column2 = value2, ...
          WHERE condition;
          UPDATE Customers
          SET ContactName = 'Alfred Schmidt', City= 'Frankfurt'
          WHERE CustomerID = 1;
          DELETE FROM table_name WHERE condition;
9 delete
          DELETE FROM Customers WHERE CustomerName='Alfreds Futterkiste';
          SELECT TOP number | percent column name(s)
10select
          FROM table_name
top
          WHERE condition;
          SELECT TOP 3 * FROM Customers;
          SELECT * FROM Customers LIMIT 3;
          SELECT TOP 50 PERCENT * FROM Customers;
          SELECT * FROM Customers WHERE Country='Germany' LIMIT 3;
          SELECT MIN(column name)
11. Min
          FROM table name
max
          WHERE condition;
          SELECT MAX(column_name)
          FROM table name
          WHERE condition;
          SELECT COUNT(column name) FROM table name WHERE condition;
12 count,
avg, sum
          SELECT AVG(column name) FROM table name WHERE condition;
          SELECT SUM(column_name) FROM table_name WHERE condition;
13 LIKE
             • % - The percent sign represents zero, one, or multiple characters

    _ - The underscore represents a single character

          SELECT column1, column2, ...
          FROM table name
          WHERE columnN LIKE pattern;
```

		LIKE Operator	Description			
WHERE CustomerName LIKE ''Mor'%' Finds any values that have "or" in any position WHERE CustomerName LIKE 'a_%' Finds any values that start with "a" and are at least 2 character WHERE CustomerName LIKE 'a_%' Finds any values that start with "a" and are at least 2 character WHERE CustomerName LIKE 'a_%' Finds any values that start with "a" and ends with "o" * SELECT * FROM Customer's WHERE CustomerName LIKE 'a_X'; 14 IN SELECT column_name(s) FROM table_name WHERE Column_name IN (SELECT STATEMENT); SELECT * FROM Customers WHERE Column_name IN (SELECT Country FROM Suppliers); SELECT * FROM Products WHERE Price BETMEEN 10 AND 20; 16 Alias SELECT CustomerName, Address + ', ' + PostalCode + ' ' + City + ', ' + Country 4S Address FROM Customers; SELECT CustomerName, CONCAT(Address, ', ',PostalCode + ' ' + City + ', ' + Country 4S Address FROM Customers; SELECT CustomerName, Concat(Address, ', ',PostalCode, ', ',City, ', ',Country) AS Address FROM Customers; SELECT Orders.OrderIO, Customers.CustomerName, Orders.OrderDate FROM Orders INNER JOIN Customers ON Orders.CustomerName, Shippers.ShipperName FROM (Orders INNER JOIN Customers ON Orders.CustomerID = Customers.CustomerID) INNER JOIN Shippers ON Orders.ShipperID = Shippers.ShipperID); 18 left SELECT Orders.OrderIO, Customers.CustomerID = Customers.CustomerID INNER JOIN Customers.CustomerName, Orders.OrderID FROM Customers LEFT JOIN Orders ON Orders.ShipperID = Shippers.ShipperID); 19 right join FROM Customers F		WHERE CustomerName LIKE 'a%'	Finds any values that start with "a"			
WHERE CustomerName LIKE '_F%' Finds any values that have "r" in the second position WHERE CustomerName LIKE 'a_%' Finds any values that start with "a" and are at least 2 character WHERE ContactName LIKE 'a_%' Finds any values that start with "a" and are at least 3 character WHERE ContactName LIKE 'a_%' Finds any values that start with "a" and ends with "o" • SELECT * FROM Customers WHERE CustomerName LIKE 'a_%'; 14 IN SELECT column_name(s) FROM table_name WHERE Column_name IN (SELECT STATEMENT); SELECT * FROM Customers WHERE column_name IN (SELECT STATEMENT); SELECT * FROM Customers WHERE Price BETWEEN 10 AND 20; 16 Alias SELECT customerName, Address + ', ' + PostalCode + ' ' + City + ', ' + Country AS Address FROM Customers; SELECT CustomerName, CONCAT(Address, ', ',PostalCode, ', ',City, ', ',Country) AS Address FROM Customers; SELECT CustomerName, CONCAT(Address, ', ',PostalCode, ', ',City, ', ',Country) AS Address FROM Customers; SELECT Orders.OrderID, Customers.CustomerName, Orders.OrderDate FROM Orders INNER JOIN Customers ON Orders.CustomerID=Customers.CustomerID; 17 inner join SELECT Orders.OrderID, Customers.CustomerName, Shippers.ShipperName FROM (Orders INNER JOIN Customers ON Orders.ShipperID = Shippers.ShipperID); 18 left SELECT Customers.CustomerName, Orders.OrderID FROM Customers LEFT JOIN Orders ON Customers.CustomerID = Orders.CustomerID ORDER BY Customers.CustomerName, Employees.EmployeeID ORDER BY Customers.OrderID, Employees.LastName, Employees.EmployeeID ORDER BY Orders.OrderID, Employees.LastName, Employees.EmployeeID ORDER BY Orders.OrderID, Employees.LastName, Employees.EmployeeID ORDER BY Orders.OrderID, Employees.LastName.Orders.CustomerID ORDER BY Customers.CustomerName, Orders.OrderID FROM Customers FROM C		WHERE CustomerName LIKE '%a'	Finds any values that end with "a"			
WHERE CustomerName LIKE 'a_%' Finds any values that start with "a" and are at least 2 character WHERE CotstomerName LIKE 'a_%' Finds any values that start with "a" and are at least 3 character WHERE CotactName LIKE 'a%o' Finds any values that start with "a" and ends with "o" • SELECT * FROM Customers WHERE CustomerName LIKE 'a%'; 14 IN SELECT column_name(s) FROM toble_name WHERE column_name IN (SELECT STATEMENT); SELECT * FROM Customers WHERE Country IN (SELECT Country FROM Suppliers); 5 SELECT * FROM Products between WHERE Price BETWEEN 10 AND 20; 16 Alias SELECT column_name As alias_name FROM table_name; SELECT CustomerName, Address + ', ' + PostalCode + ' ' + City + ', ' + Country AS Address FROM Customers; SELECT CustomerName, CONCAT(Address,', ',PostalCode,', ',City,', ',Country) AS Address FROM Customers; SELECT CustomerName, ConcertD, Customers.CustomerName, Orders.OrderDate FROM Orders INNER JOIN Customers ON Orders.CustomerID=Customers.CustomerID; 17 inner FROM ((Orders INNER JOIN Customers ON Orders.CustomerID = Customers.CustomerID) INNER JOIN Shippers ON Orders.ShipperID = Shippers.ShipperName FROM (Orders INNER JOIN Shippers ON Orders.CustomerID = Customers.CustomerID ORDER BY Customers.CustomerName; 19 right Join FROM Customers RIGHT JOIN Orders ON Customers.CustomerID = Employees.FirstName FROM Orders RIGHT JOIN Employees ON Orders.EmployeeID = Employees.EmployeeID ORDER BY Customers.CustomerName, Orders.OrderID FROM Customers FROM Customer		WHERE CustomerName LIKE '%or%'	Finds any values that have "or" in any position			
WHERE CustomerName LIKE 'a_%' Finds any values that start with "a" and are at least 3 character WHERE ContactName LIKE 'a\cite{" Finds any values that start with "a" and ends with "o" • SELECT * FROM Customers WHERE CustomerName LIKE 'a\cite{" tax";} 14 IN SELECT column_name IN (SELECT STATEMENT); SELECT * FROM Customers WHERE Country IN (SELECT Country FROM Suppliers); SELECT * FROM Products WHERE Price BETWEEN 10 AND 20; SELECT * Column_name AS alias_name FROM toble_name; SELECT CustomerName, Address + ', ' + PostalCode + ' ' + City + ', ' + Country AS Address FROM Customers; SELECT CustomerName, CONCAT(Address,', ',PostalCode,', ',City,', ',Country) AS Address FROM Customers; 16 join SELECT Orders.OrderID, Customers.CustomerName, Orders.OrderDate FROM Orders INNER JOIN Customers ON Orders.CustomerID=Customers.CustomerID; 17 inner SELECT Orders.OrderID, Customers.CustomerID = Customers.ShipperName FROM ((Orders INNER JOIN Customers ON Orders.ShipperID = Shippers.ShipperName FROM (Customers INNER JOIN Shippers ON Orders.OrderID FROM Customers LEFT JOIN Orders ON Customers.CustomerID = Orders.CustomerID ORDER BY Customers.CustomerName, Employees.FirstName FROM Orders RIGHT JOIN Employees ON Orders.EmployeeID = Employees.EmployeeID ORDER BY Customers.CustomerName, Orders.OrderID FROM Customers FROM Customers FROM Customers FROM Customers FROM Customers FROM Orders FR		WHERE CustomerName LIKE '_r%'	Finds any values that have "r" in the second position			
WHERE ContactName LIKE 'a%o' Finds any values that start with "a" and ends with "o" • SELECT * FROM Customers WHERE CustomerName LIKE 'a%'; 14 IN SELECT * Column_name(s) FROM table_name WHERE * Column_name IN (SELECT STATEMENT); SELECT * FROM Customers WHERE Country IN (SELECT Country FROM Suppliers); 5 SELECT * FROM Products WHERE Price BETWEEN 10 AND 20; 16 Alias SELECT * CustomerName, Address + ', ' + PostalCode + ' ' + City + ', ' + Country AS Address FROM customers; SELECT CustomerName, CONCAT(Address,', ',PostalCode,', ',City,', ',Country) AS Address FROM Customers; SELECT CustomerName, CONCAT(Address,', ',PostalCode,', ',City,', ',Country) AS Address FROM Customers; SELECT Orders.OrderID, Customers.CustomerName, Orders.OrderDate FROM Orders INNER JOIN Customers ON Orders.CustomerID=Customers.CustomerID; SELECT Orders.OrderID, Customers.CustomerID = Customers.ShipperName FROM ((Orders INNER JOIN Shippers ON Orders.ShipperID = Shippers.ShipperID); 18 left join SELECT Customers.CustomerName, Orders.OrderID FROM Customers LEFT JOIN Orders ON Customers.CustomerID = Orders.CustomerID ORDER BY Customers.CustomerName, Employees.FirstName FROM Orders RIGHT JOIN Employees ON Orders.EmployeeID = Employees.EmployeeID ORDER BY Orders.OrderID, Employees.LastName, Orders.OrderID FROM Customers FOUL OUTER JOIN Orders ON Customers.CustomerID=Orders.CustomerID ORDER BY Outstomers.CustomerName, Orders.OrderID FROM Customers FOUL OUTER JOIN Orders ON Customers.CustomerID=Orders.CustomerID ORDER BY Customers.CustomerName; 21 self		WHERE CustomerName LIKE 'a_%'	Finds any values that start with "a" and are at least 2 character			
**SELECT * FROM Customers WHERE CustomerName LIKE 'a%'; 14 IN SELECT column_name(s) FROM table_name WHERE column_name IN (SELECT STATEMENT); SELECT * FROM Customers WHERE Country IN (SELECT Country FROM Suppliers); 15 SELECT * FROM Products WHERE Poice BETWEEN 10 AND 20; 16 Alias SELECT column_name AS alias_name FROM table_name; SELECT CustomerName, Address + ', ' + PostalCode + ' ' + City + ', ' + Country AS Address FROM Customers; SELECT CustomerName, CONCAT(Address,', ',PostalCode,', ',City,', ',Country) AS Address FROM Customers; SELECT Orders.OrderID, Customers.CustomerName, Orders.OrderDate FROM Orders INNER JOIN Customers ON Orders.CustomerID=Customers.CustomerID; 17 inner join FROM (Orders INNER JOIN Customers ON Orders.CustomerID = Customers.CustomerID) INNER JOIN Shippers ON Orders.ShipperID = Shippers.ShipperName FROM (Orders INNER JOIN Shippers ON Orders.ShipperID = Shippers.ShipperID); 18 left SELECT Customers.CustomerName, Orders.OrderID FROM Customers LEFT JOIN Orders ON Customers.CustomerID = Orders.CustomerID ORDER BY Customers.CustomerName, Employees.FirstName FROM Orders RIGHT JOIN Employees ON Orders.EmployeeID = Employees.EmployeeID ORDER BY Orders.OrderID, Employees.LastName, Employees.EmployeeID ORDER BY Orders.OrderID, Employees.OrderID FROM Customers FROM Orders RIGHT JOIN Employees ON Orders.EmployeeID = Employees.EmployeeID ORDER BY Orders.OrderID, Employees.OrderID FROM Customers.CustomerName, Orders.OrderID FROM Customers.CustomerName, Orders.OrderID ORDER BY Customers.CustomerName, Orders.OrderID ORDER BY Customers.CustomerName, Orders.OrderID ORDER BY Customers.CustomerName, Orders.OrderID ORDER BY Customers.CustomerName;		WHERE CustomerName LIKE 'a%'	Finds any values that start with "a" and are at least 3 character			
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FROM table_name WHERE column_name IN (SELECT STATEMENT); SELECT * FROM Customers WHERE Country IN (SELECT Country FROM Suppliers); SELECT * FROM Products Between WHERE Price BETWEEN 10 AND 20; SELECT Column_name AS alias_name FROM table_name; SELECT CustomerName, Address + ', ' + PostalCode + ' ' + City + ', ' + Country AS Address FROM Customers; SELECT CustomerName, CONCAT(Address,', ',PostalCode,', ',City,', ',Country) AS Address FROM Customers; SELECT Orders.OrderID, Customers.CustomerName, Orders.OrderDate FROM Orders INNER JOIN Customers ON Orders.CustomerID=Customers.CustomerID; Trinner SELECT Orders.OrderID, Customers.CustomerID=Shippers.ShipperName FROM ((Orders INNER JOIN Customers ON Orders.CustomerID = Customers.CustomerID) INNER JOIN Shippers ON Orders.ShipperID = Shippers.ShipperID); SELECT Customers.CustomerName, Orders.OrderID FROM Customers LEFT JOIN Orders ON Customers.CustomerID = Orders.CustomerID ORDER BY Customers.CustomerName; SELECT Orders.OrderID, Employees.LastName, Employees.FirstName FROM Orders RIGHT JOIN Employees ON Orders.EmployeeID = Employees.EmployeeID ORDER BY Orders.OrderID; SELECT Customers.CustomerName, Orders.OrderID FROM Customers RIGHT JOIN Employees ON Orders.EmployeeID = Employees.EmployeeID ORDER BY Orders.OrderID; SELECT Customers.CustomerName, Orders.OrderID FROM Customers RIGHT JOIN Orders ON Customers.CustomerID=Orders.CustomerID ORDER BY Customers.CustomerName, Orders.OrderID FROM Customers FULL OUTER JOIN Orders ON Customers.CustomerID=Orders.CustomerID ORDER BY Customers.CustomerName; 21 self						
WHERE column_name IN (SELECT STATEMENT); SELECT * FROM Customers WHERE Country IN (SELECT Country FROM Suppliers); SELECT * FROM Products WHERE Price BETWEEN 19 AND 20; SELECT column_name AS alias_name FROM table_name; SELECT CustomerName, Address + ', ' + PostalCode + ' ' + City + ', ' + Country AS Address FROM Customers; SELECT CustomerName, CONCAT(Address,', ',PostalCode,', ',City,', ',Country) AS Address FROM Customers; SELECT Orders.OrderID, Customers.CustomerName, Orders.OrderDate FROM Orders INNER JOIN Customers ON Orders.CustomerID=Customers.CustomerID; 17 inner join FROM (Orders INNER JOIN Customers ON Orders.CustomerName, Shippers.ShipperName FROM (Orders INNER JOIN Customers ON Orders.CustomerID = Customers.CustomerID) INNER JOIN Shippers ON Orders.ShipperID = Shippers.ShipperID); 18 left SELECT Customers.CustomerName, Orders.OrderID FROM Customers LEFT JOIN Orders ON Customers.CustomerID = Orders.CustomerID ORDER BY Customers.CustomerName; SELECT Orders.OrderID, Employees.LastName, Employees.FirstName FROM Orders RIGHT JOIN Employees ON Orders.EmployeeID = Employees.EmployeeID ORDER BY Orders.OrderID; SELECT Customers.CustomerName, Orders.OrderID FROM Customers FROM	14 IN					
WHERE Country IN (SELECT Country FROM Suppliers); SELECT * FROM Products						
SELECT * FROM Products						
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SELECT Customer_name AS alias_name						
SELECT CustomerName, Address + ', ' + PostalCode + ' ' + City + ', ' + Country AS Address FROM Customers; SELECT CustomerName, CONCAT(Address,', ',PostalCode,', ',City,', ',Country) AS Address FROM Customers; 16 join SELECT Orders.OrderID, Customers.CustomerName, Orders.OrderDate FROM Orders INNER JOIN Customers ON Orders.CustomerID=Customers.CustomerID; 17 inner JOHN Customers ON Orders.CustomerName, Shippers.ShipperName Join FROM ((Orders INNER JOIN Customers ON Orders.CustomerID = Customers.CustomerID) INNER JOIN Shippers ON Orders.ShipperID = Shippers.ShipperID); 18 left SELECT Customers.CustomerName, Orders.OrderID FROM Customers LEFT JOIN Orders ON Customers.CustomerID = Orders.CustomerID ORDER BY Customers.CustomerName; 19 right SELECT Orders.OrderID, Employees.LastName, Employees.FirstName Join FROM Orders RIGHT JOIN Employees ON Orders.EmployeeID = Employees.EmployeeID ORDER BY Orders.OrderID; SELECT Customers.CustomerName, Orders.OrderID FROM Customers FULL OUTER JOIN Orders ON Customers.CustomerID=Orders.CustomerID ORDER BY Customers.CustomerName; 21 self						
Country AS Address FROM Customers; SELECT CustomerName, CONCAT(Address,', ',PostalCode,', ',City,', ',Country) AS Address FROM Customers; 16 join SELECT Orders.OrderID, Customers.CustomerName, Orders.OrderDate FROM Orders INNER JOIN Customers ON Orders.CustomerID=Customers.CustomerID; 17 inner SELECT Orders.OrderID, Customers.CustomerName, Shippers.ShipperName join FROM ((Orders INNER JOIN Customers ON Orders.CustomerID = Customers.CustomerID) INNER JOIN Shippers ON Orders.ShipperID = Shippers.ShipperID); 18 left SELECT Customers.CustomerName, Orders.OrderID join FROM Customers LEFT JOIN Orders ON Customers.CustomerID = Orders.CustomerID ORDER BY Customers.CustomerName; 19 right join FROM Orders RIGHT JOIN Employees ON Orders.EmployeeID = Employees.EmployeeID ORDER BY Orders.OrderID; SELECT Customers.CustomerName, Orders.OrderID join FROM Customers FULL OUTER JOIN Orders ON Customers.CustomerID=Orders.CustomerID ORDER BY Customers.CustomerName; 21 self		FROM table_name;				
FROM Customers; 16 join SELECT Orders.OrderID, Customers.CustomerName, Orders.OrderDate FROM Orders INNER JOIN Customers ON Orders.CustomerID=Customers.CustomerID; 17 inner SELECT Orders.OrderID, Customers.CustomerName, Shippers.ShipperName FROM ((Orders INNER JOIN Customers ON Orders.CustomerID = Customers.CustomerID) INNER JOIN Shippers ON Orders.ShipperID = Shippers.ShipperID); 18 left SELECT Customers.CustomerName, Orders.OrderID FROM Customers LEFT JOIN Orders ON Customers.CustomerID = Orders.CustomerID ORDER BY Customers.CustomerName; 19 right SELECT Orders.OrderID, Employees.LastName, Employees.FirstName FROM Orders RIGHT JOIN Employees ON Orders.EmployeeID = Employees.EmployeeID ORDER BY Orders.OrderID; 20 full SELECT Customers.CustomerName, Orders.OrderID FROM Customers FULL OUTER JOIN Orders ON Customers.CustomerID=Orders.CustomerID ORDER BY Customers.CustomerName;		Country AS Address				
SELECT Orders.OrderID, Customers.CustomerName, Orders.OrderDate FROM Orders INNER JOIN Customers ON Orders.CustomerID=Customers.CustomerID; 17 inner SELECT Orders.OrderID, Customers.CustomerName, Shippers.ShipperName FROM ((Orders INNER JOIN Customers ON Orders.CustomerID = Customers.CustomerID) INNER JOIN Shippers ON Orders.ShipperID = Shippers.ShipperID); 18 left SELECT Customers.CustomerName, Orders.OrderID FROM Customers LEFT JOIN Orders ON Customers.CustomerID = Orders.CustomerID ORDER BY Customers.CustomerName; 19 right SELECT Orders.OrderID, Employees.LastName, Employees.FirstName FROM Orders RIGHT JOIN Employees ON Orders.EmployeeID = Employees.EmployeeID ORDER BY Orders.OrderID; 20 full SELECT Customers.CustomerName, Orders.OrderID FROM Customers FULL OUTER JOIN Orders ON Customers.CustomerID=Orders.CustomerID ORDER BY Customers.CustomerName; 21 self SELECT Customers.CustomerName;						
INNER JOIN Customers ON Orders.CustomerID=Customers.CustomerID; 17 inner SELECT Orders.OrderID, Customers.CustomerName, Shippers.ShipperName FROM ((Orders INNER JOIN Customers ON Orders.CustomerID = Customers.CustomerID) INNER JOIN Shippers ON Orders.ShipperID = Shippers.ShipperID); 18 left SELECT Customers.CustomerName, Orders.OrderID FROM Customers LEFT JOIN Orders ON Customers.CustomerID = Orders.CustomerID ORDER BY Customers.CustomerName; 19 right SELECT Orders.OrderID, Employees.LastName, Employees.FirstName FROM Orders RIGHT JOIN Employees ON Orders.EmployeeID = Employees.EmployeeID ORDER BY Orders.OrderID; 20 full SELECT Customers.CustomerName, Orders.OrderID FROM Customers FULL OUTER JOIN Orders ON Customers.CustomerID=Orders.CustomerID ORDER BY Customers.CustomerName; 21 self	16 join	SELECT Orders.OrderID, Customers.CustomerName, Orders.OrderDate				
17 inner join						
INNER JOIN Customers ON Orders.CustomerID = Customers.CustomerID) INNER JOIN Shippers ON Orders.ShipperID = Shippers.ShipperID); 18 left SELECT Customers.CustomerName, Orders.OrderID FROM Customers LEFT JOIN Orders ON Customers.CustomerID = Orders.CustomerID ORDER BY Customers.CustomerName; 19 right SELECT Orders.OrderID, Employees.LastName, Employees.FirstName FROM Orders RIGHT JOIN Employees ON Orders.EmployeeID = Employees.EmployeeID ORDER BY Orders.OrderID; 20 full SELECT Customers.CustomerName, Orders.OrderID FROM Customers FULL OUTER JOIN Orders ON Customers.CustomerID=Orders.CustomerID ORDER BY Customers.CustomerName;	17 inner					
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18 left SELECT Customers.CustomerName, Orders.OrderID		•				
join FROM Customers LEFT JOIN Orders ON Customers.CustomerID = Orders.CustomerID ORDER BY Customers.CustomerName; 19 right SELECT Orders.OrderID, Employees.LastName, Employees.FirstName FROM Orders RIGHT JOIN Employees ON Orders.EmployeeID = Employees.EmployeeID ORDER BY Orders.OrderID; 20 full SELECT Customers.CustomerName, Orders.OrderID join FROM Customers FULL OUTER JOIN Orders ON Customers.CustomerID=Orders.CustomerID ORDER BY Customers.CustomerName; 21 self	18 left					
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<pre>join</pre>						
RIGHT JOIN Employees ON Orders.EmployeeID = Employees.EmployeeID ORDER BY Orders.OrderID; 20 full						
ORDER BY Orders.OrderID; 20 full SELECT Customers.CustomerName, Orders.OrderID join FROM Customers FULL OUTER JOIN Orders ON Customers.CustomerID=Orders.CustomerID ORDER BY Customers.CustomerName; 21 self	JOH					
20 full SELECT Customers.CustomerName, Orders.OrderID join FROM Customers FULL OUTER JOIN Orders ON Customers.CustomerID=Orders.CustomerID ORDER BY Customers.CustomerName; 21 self						
FULL OUTER JOIN Orders ON Customers.CustomerID=Orders.CustomerID ORDER BY Customers.CustomerName; 21 self	20 full	•				
ORDER BY Customers.CustomerName; 21 self	join					
21 self						
	21 self	OVACE A CASCOMETS CASCOMET NAME)			

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22 union
          SELECT column name(s) FROM table1
          UNION
          SELECT column_name(s) FROM table2;
          SELECT City FROM Customers
          UNION
          SELECT City FROM Suppliers
          ORDER BY City;
23 group
          SELECT column_name(s)
          FROM table_name
by
          WHERE condition
          GROUP BY column_name(s)
          ORDER BY column name(s);
          SELECT COUNT(CustomerID), Country
          FROM Customers
          GROUP BY Country
          ORDER BY COUNT(CustomerID) DESC;
          SELECT column name(s)
24 having
          FROM table name
          WHERE condition
          GROUP BY column name(s)
          HAVING condition
          ORDER BY column name(s);
          SELECT COUNT(CustomerID), Country
          FROM Customers
          GROUP BY Country
          HAVING COUNT(CustomerID) > 5
          ORDER BY COUNT(CustomerID) DESC;
25 exist
          SELECT column name(s)
          FROM table name
          WHERE EXISTS
          (SELECT column_name FROM table_name WHERE condition);
26 any all
          The ANY and ALL operators are used with a WHERE or HAVING clause.
          The ANY operator returns true if any of the subquery values meet the condition.
          The ALL operator returns true if all of the subquery values meet the condition.
          SELECT column_name(s)
          FROM table_name
          WHERE column_name operator ANY
          (SELECT column name FROM table name WHERE condition);
          SELECT column name(s)
          FROM table name
          WHERE column name operator ALL
          (SELECT column_name FROM table_name WHERE condition);
27 case
          CASE
              WHEN condition1 THEN result1
              WHEN condition2 THEN result2
              WHEN conditionN THEN resultN
              ELSE result
          END;
```

```
SELECT OrderID, Quantity,

CASE

WHEN Quantity > 30 THEN 'The quantity is greater than 30'
WHEN Quantity = 30 THEN 'The quantity is 30'
ELSE 'The quantity is under 30'
END AS QuantityText
FROM OrderDetails;

SELECT CustomerName, City, Country
FROM Customers
ORDER BY
(CASE
WHEN City IS NULL THEN Country
ELSE City
END);
```