

1. Select CategoryName and Description from the Categories table sorted by CategoryName.

```
SELECT CategoryName, Description
```

```
FROM Categories
```

```
ORDER BY CategoryName ASC;
```

	CategoryName	Description
1	Beverages	Soft drinks, coffees, teas, beers, and ales
2	Condiments	Sweet and savory sauces, relishes, spreads, and ...
3	Confections	Desserts, candies, and sweet breads
4	Dairy Products	Cheeses
5	Grains/Cereals	Breads, crackers, pasta, and cereal
6	Meat/Poultry	Prepared meats
7	Produce	Dried fruit and bean curd
8	Seafood	Seaweed and fish

2. Select ContactName, CompanyName, ContactTitle, and Phone from the Customers table sorted by Phone

```
SELECT ContactName, CompanyName, ContactTitle, Phone
```

```
FROM Customers
```

```
ORDER BY Phone ;
```

	ContactName	CompanyName	ContactTitle	Phone
1	Thomas Hardy	Around the Horn	Sales Representative	(171) 555-7788
2	Antonio Moreno	Antonio Moreno Taquería	Owner	(5) 555-3932
3	Ana Trujillo	Ana Trujillo Emparedados y helados	Owner	(5) 555-4729
4	Elizabeth Lincoln	Bottom-Dollar Markets	Accounting Manager	(604) 555-4729
5	Martín Sommer	Bóldo Comidas preparadas	Owner	(91) 555 22 82
6	Maria Anders	Alfreds Futterkiste	Sales Representative	030-0074321
7	Hanna Moos	Blauer See Delikatessen	Sales Representative	0621-08460
8	Christina Berglund	Berglunds snabbköp	Order Administrator	0921-12 34 65
9	Frédérique Citeaux	Blondesddsl père et fils	Marketing Manager	88.60.15.31
10	Laurence Leblan	Bon app'	Owner	91.24.45.40

3. Display the employees' first and last names and hire dates sorted from newest to oldestemployee

```
SELECT FirstName, LastName, HireDate
```

```
FROM Employees
```

```
ORDER BY HireDate;
```

	FirstName	LastName	HireDate
1	Janet	Leverling	1992-04-01 00:00:00.000
2	Nancy	Davolio	1992-05-01 00:00:00.000
3	Andrew	Fuller	1992-08-14 00:00:00.000
4	Margaret	Peacock	1993-05-03 00:00:00.000
5	Steven	Buchanan	1993-10-17 00:00:00.000

4. Create a report showing Northwind's orders sorted by Freight from most expensive to cheapest. Show OrderID, OrderDate, ShippedDate, CustomerID, and Freight.

```
SELECT OrderID, OrderDate, ShippedDate, CustomerID, Freight
FROM Orders
ORDER BY Freight DESC;
```

	OrderID	OrderDate	ShippedDate	CustomerID	Freight
1	4	1996-07-08 00:00:00.000	1996-07-12 00:00:00.000	AROUT	65.83
2	1	1996-07-08 00:00:00.000	1996-07-15 00:00:00.000	BOLID	41.34
3	2	1996-07-04 00:00:00.000	1996-07-16 00:00:00.000	ANTON	32.38

5. Select CompanyName, Fax, Phone, HomePage and Country from the Suppliers table sorted by Country in descending order and then by CompanyName in ascending order.

```
SELECT CompanyName, Fax, Phone, HomePage, Country
FROM Suppliers
ORDER BY Country DESC, CompanyName ASC ;
```

	CompanyName	Fax	Phone	HomePage	Country
1	Grandma Kelly's Homestead	(313) 555-3349	(313) 555-5735	NULL	USA
2	New Orleans Cajun Delights	NULL	(100) 555-4822	#CAJUN.HTM#	USA
3	Exotic Liquids	NULL	(171) 555-2222	NULL	UK
4	Specialty Biscuits, Ltd.	NULL	(161) 555-4448	NULL	UK
5	Cooperativa de Quesos 'Las Cabras'	NULL	(98) 598 76 54	NULL	Spain
6	Mayumi's	NULL	(06) 431-7877	Mayumi's (on the World Wide Web)#http://www.micr...	Japan
7	Tokyo Traders	NULL	(03) 3555-5011	NULL	Japan
8	Pavlova, Ltd.	(03) 444-6588	(03) 444-2343	NULL	Australia

6. Display all the company names and contact names of Northwind's customers in Buenos Aires

```
SELECT CompanyName, ContactName
FROM Customers
WHERE City = 'Buenos Aires';
```

	CompanyName	ContactName
--	-------------	-------------

7. Display the product name, unit price and quantity per unit of all products that are out of stock.

```
SELECT ProductName, UnitPrice, QuantityPerUnit
FROM Products
WHERE UnitsInStock = 0;
```

Results Messages			
	ProductName	UnitPrice	QuantityPerUnit
1	Perth Pasties	32.80	48 pieces

8. Display the order date, shipped date, customer id, and freight of all orders placed on May 19, 1997.

```
SELECT OrderDate, ShippedDate, CustomerID, Freight
FROM Orders
WHERE OrderDate = '1997-05-19';
```

Results Messages			
	OrderDate	ShippedDate	CustomerID
			Freight

9. Display the first name, last name, and country of all employees not in the United States.

```
SELECT FirstName, LastName, Country
FROM Employees
WHERE Country <> 'USA';
```

Results Messages			
	FirstName	LastName	Country
1	Steven	Buchanan	UK

10. Display the employee id, order id, customer id, required date, and shipped date of all orders that were shipped later than they were required.

```
SELECT EmployeeID, OrderID, CustomerID, RequiredDate, ShippedDate
FROM Orders
WHERE ShippedDate > RequiredDate;
```

Results Messages				
	EmployeeID	OrderID	CustomerID	RequiredDate
				ShippedDate

11. Display the city, company name, and contact name of all customers who are in cities that begin with "A" or "B."

```
SELECT City, CompanyName, ContactName
FROM Customers
WHERE City LIKE 'A%' OR City LIKE 'B%';
```

Results Messages			
	City	CompanyName	ContactName
1	Berlin	Alfreds Futterkiste	Maria Anders

12. Display all orders that have a freight cost of more than \$500.00

```
SELECT *
FROM Orders
WHERE Freight > 50;
```

	OrderID	CustomerID	EmployeeID	OrderDate	RequiredDate	ShippedDate	ShipVia	Freight
1	4	AROUT	4	1996-07-08 00:00:00.000	1996-08-05 00:00:00.000	1996-07-12 00:00:00.000	2	65.83

13. Display the product name, units in stock, units on order, and reorder level of all products that are up for reorder

```
SELECT ProductName, UnitsInStock, UnitsOnOrder, ReorderLevel
FROM Products
WHERE UnitsInStock <= ReorderLevel;
```

	ProductName	UnitsInStock	UnitsOnOrder	ReorderLevel
1	Perth Pasties	0	0	0
2	Gnocchi di nonna Alice	21	10	30

14. Display the company name, contact name and fax number of all customers that have a fax number

```
SELECT CompanyName, ContactName, Fax
FROM Customers
WHERE Fax IS NOT NULL;
```

	CompanyName	ContactName	Fax
1	Alfreds Futterkiste	Maria Anders	030-0076545
2	Ana Trujillo Emparedados y helados	Ana Trujillo	(5) 555-3745
3	Around the Horn	Thomas Hardy	(171) 555-6750
4	Berglunds snabbköp	Christina Berglund	0921-12 34 67
5	Blauer See Delikatessen	Hanna Moos	0621-08924
6	Blondesddsl père et fils	Frédérique Citeaux	88.60.15.32
7	Bólido Comidas preparadas	Martín Sommer	(91) 555 91 99
8	Bon app'	Laurence Lebihan	91.24.45.41
9	Bottom-Dollar Markets	Elizabeth Lincoln	(604) 555-3745

15. Display the first and last name of all employees who do not report to anybody

```
SELECT FirstName, LastName
FROM Employees
WHERE ReportsTo IS NULL;
```

	FirstName	LastName
1	Andrew	Fuller

16. Display the company name, contact name and fax number of all customers that have a fax number. Sort by company name.

```
SELECT CompanyName, ContactName, Fax
FROM Customers
WHERE Fax IS NOT NULL
ORDER BY CompanyName;
```

	CompanyName	ContactName	Fax
1	Alfreds Futterkiste	Maria Anders	030-0076545
2	Ana Trujillo Emparedados y helados	Ana Trujillo	(5) 555-3745
3	Around the Horn	Thomas Hardy	(171) 555-6750
4	Berglunds snabbköp	Christina Berglund	0921-12 34 67
5	Blauer See Delikatessen	Hanna Moos	0621-08924
6	Blondesddsl père et fils	Frédérique Citeaux	88.60.15.32
7	Bólido Comidas preparadas	Martín Sommer	(91) 555 91 99
8	Bon app'	Laurence Lebihan	91.24.45.41
9	Bottom-Dollar Markets	Elizabeth Lincoln	(604) 555-3745

17. Display the city, company name, and contact name of all customers who are in cities that begin with "A" or "B." Sort by contact name in descending order

```
SELECT City, CompanyName, ContactName
FROM Customers
WHERE City LIKE 'A%' OR City LIKE 'B%'
ORDER BY ContactName DESC;
```

	City	CompanyName	ContactName
1	Berlin	Alfreds Futterkiste	Maria Anders

18. Display the first and last names and birth date of all employees born in the 1950s.

```
SELECT FirstName, LastName, BirthDate
FROM Employees
WHERE BirthDate BETWEEN '1950-01-01' AND '1959-12-31';
```

	FirstName	LastName	BirthDate
1	Andrew	Fuller	1952-02-19 00:00:00.000
2	Steven	Buchanan	1955-03-04 00:00:00.000

19. Display the product name and supplier id for all products supplied by Exotic Liquids, Grandma Kelly's Homestead, and Tokyo Traders. Hint you will need to first do a separate SELECT on the Suppliers table to find the supplier ids of these three companies.

```
SELECT ProductName, SupplierID
FROM Products
WHERE SupplierID IN (
    SELECT SupplierID
    FROM Suppliers
    WHERE CompanyName IN ('Exotic Liquids', 'Grandma Kelly's Homestead', 'Tokyo Traders')
);
```

	ProductName	SupplierID
1	Manjimup Dried Apples	1
2	Perth Pasties	3
3	Tourtière	4
4	Raclette Courdavault	1

20. Display the shipping postal code, order id, and order date for all orders with a ship postal code beginning with "02389"

```
SELECT ShipPostalCode, OrderID, OrderDate
FROM Orders
WHERE ShipPostalCode LIKE '6900%';
```

	ShipPostalCode	OrderID	OrderDate
1	69004	1	1996-07-08 00:00:00.000

21. Display the contact name and title and the company name for all customers whose contact title does not contain the word "Sales".

```
SELECT ContactName, ContactTitle, CompanyName
FROM Customers
WHERE ContactTitle NOT LIKE '%Sales%';
```

	ContactName	ContactTitle	CompanyName
1	Ana Trujillo	Owner	Ana Trujillo Emparedados y helados
2	Antonio Moreno	Owner	Antonio Moreno Taquería
3	Christina Berglund	Order Administrator	Berglunds snabbköp
4	Frédérique Citeaux	Marketing Manager	Blondesddsl père et fils
5	Martín Sommer	Owner	Bólido Comidas preparadas
6	Laurence Lebihan	Owner	Bon app'
7	Elizabeth Lincoln	Accounting Manager	Bottom-Dollar Markets

22. Display the first and last names and cities of employees from cities other than Seattle in the state of Washington.

```
SELECT FirstName, LastName, City
FROM Employees
WHERE City <> 'Seattle';
```

	FirstName	LastName	City
1	Andrew	Fuller	Tacoma
2	Janet	Leverling	Kirkland
3	Margaret	Peacock	Redmond
4	Steven	Buchanan	London

23. Display the company name, contact title, city and country of all customers in Mexico or in any city in Spain except Madrid

```
SELECT CompanyName, ContactTitle, City, Country
FROM Customers
WHERE Country = 'Mexico'
      OR (Country = 'Spain' AND City <> 'Madrid');
```

	CompanyName	ContactTitle	City	Country
1	Ana Trujillo Emparedados y helados	Owner	México D.F.	Mexico
2	Antonio Moreno Taquería	Owner	México D.F.	Mexico