


Tasks

1. Show all info about the employee with ID - 2.
select * from Employees where EmployeeID = 2;

EmployeeID	LastName	FirstName	Title	TitleOfCourtesy	BirthDate	HireDate	Address	City	Region	PostalCode	Country	HomePhone	Extension	Photo	Notes
2	Fuller	Andrew	Vice President, Sales	Dr.	1952-02-19 00:00:00	1992-08-14 00:00:00	908 W. Capital Way	Tacoma	WA	98401	USA	(206) 555-9482	3457		Andrew Fuller is the Vice President of Sales and is responsible for the sales of the company.

2. Show contact name of suppliers from cities begin with letter S.
select ContactName, City from Suppliers where City like 'S%';

ContactName	City
string	string
21212	string
21212	string
string	string
Michael Bjrn	Stockholm
Chandra Leka	Singapore
Wendy Mackenzie	Sydney
Giovanni Giudici	Salerno
Chantal Goulet	Ste-Hyacinthe
string	string
string	string
string	string
string	string
Svyat	string

Suppliers 480 x

3. Show first 20 product names.
select ProductName from Products limit 20;

ProductName
999999string
Alice Mutton
Aniseed Syrup
anyname
anyname
Boston Crab Meat
Camembert Pierrot
Carnarvon Tigers
Chang
Chartreuse verte
Chef Anton's Cajun Seasoning
Chocolade
Cte de Blaye
Escargots de Bourgogne
Filo Mix
Flintemvsnst

Products 481 x

4. Show the list of German customers' names.

```
select ContactName, Country from Customers where Country = 'Germany';
```

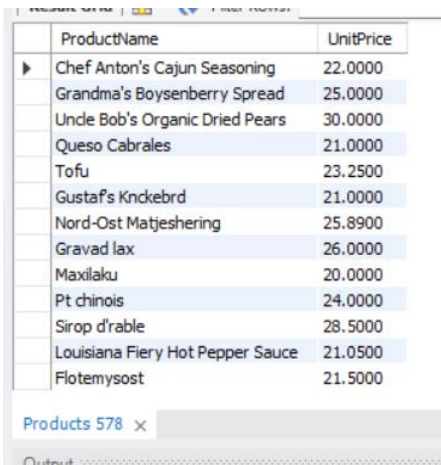


The screenshot shows a 'Result Grid' with two columns: 'ContactName' and 'Country'. There are 12 rows, all with 'Germany' in the 'Country' column. The names are: Valeria Naida, Hanna Moos, Sven Ottlieb, Peter Franken, Philip Cramer, Renate Messner, Alexander Feuer, Henriette Pfalzheim, Horst Kloss, Karin Josephs, and Rita Miller.

ContactName	Country
Valeria Naida	Germany
Hanna Moos	Germany
Sven Ottlieb	Germany
Peter Franken	Germany
Philip Cramer	Germany
Renate Messner	Germany
Alexander Feuer	Germany
Henriette Pfalzheim	Germany
Horst Kloss	Germany
Karin Josephs	Germany
Rita Miller	Germany

5. Show the list of product names whose unit prices are between 20 and 30.

```
select ProductName from Products where UnitPrice between 20 and 30;
```

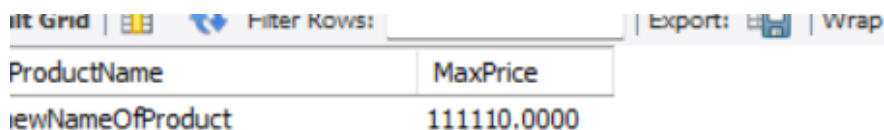


The screenshot shows a 'Result Grid' with two columns: 'ProductName' and 'UnitPrice'. There are 15 rows. The product names and their unit prices are: Chef Anton's Cajun Seasoning (22.0000), Grandma's Boysenberry Spread (25.0000), Uncle Bob's Organic Dried Pears (30.0000), Queso Cabrales (21.0000), Tofu (23.2500), Gustaf's Knackbrd (21.0000), Nord-Ost Matjeshering (25.8900), Gravd lax (26.0000), Maxilaku (20.0000), Pt chinois (24.0000), Sirop d'able (28.5000), Louisiana Fiery Hot Pepper Sauce (21.0500), and Flotemysost (21.5000).

ProductName	UnitPrice
Chef Anton's Cajun Seasoning	22.0000
Grandma's Boysenberry Spread	25.0000
Uncle Bob's Organic Dried Pears	30.0000
Queso Cabrales	21.0000
Tofu	23.2500
Gustaf's Knackbrd	21.0000
Nord-Ost Matjeshering	25.8900
Gravd lax	26.0000
Maxilaku	20.0000
Pt chinois	24.0000
Sirop d'able	28.5000
Louisiana Fiery Hot Pepper Sauce	21.0500
Flotemysost	21.5000

6. Show the most expensive product.

```
select ProductName, MAX(UnitPrice) as MaxPrice from Products;
```



The screenshot shows a 'Result Grid' with two columns: 'ProductName' and 'MaxPrice'. There is one row with the product name 'NewNameOfProduct' and a 'MaxPrice' of 111110.0000.

ProductName	MaxPrice
NewNameOfProduct	111110.0000

7. Show the list of products whose unit prices is greater than 20.





```
select ProductName, UnitPrice from Products where UnitPrice > 20;
```

ProductName	UnitPrice
Chef Anton's Cajun Seasoning	22.0000
Grandma's Boysenberry Spread	25.0000
Uncle Bob's Organic Dried Pears	30.0000
Northwoods Cranberry Sauce	40.0000
Mishi Kobe Niku	97.0000
Queso Cabrales	21.0000
Queso Manchego La Pastora	38.0000
Tofu	23.2500
Alice Mutton	39.0000
Carnarvon Tigers	62.5000
Sir Rodney's Marmalade	81.0000
Gustaf's Knickbrd	21.0000
Gumbr Gummibrdchen	31.2300
Schoggi Schokolade	43.9000
Rssle Sauerkraut	45.6000
Thringer Rostbratwurst	123.7900

Products 581 x

Output

8. Show the list of employees whose salary is between 2000 and 2500.
 select * from Employees where Salary between 2000 and 2500;

Result Grid													Filter Rows:		Edit:		Export/Import:		Wrap Cell Contents:			
	Address	City	Region	PostalCode	Country	HomePhone	Extension	Photo	Notes	ReportsTo	PhotoPath	Salary	Age									
▶	908 W. Capital Way	Tacoma	WA	98401	USA	(206) 555-9482	3457		Andrew received his BTS commercial in 1974 an...	5	http://accweb/emmployees/fuller.bmp	2254.49	70									
▶	Coventry House Mine...	London	WA	EC2 7JR	UK	(71) 555-7773	428		Michael is a graduate of Sussex University (MA,...	2	http://accweb/emmployees/davolo.bmp	2004.07	59									
▶	4726 - 11th Ave. N.E.	Seattle	WA	98105	USA	(206) 555-1189	2344		Laura received a BA in psychology from the Uni...	5	http://accweb/emmployees/davolo.bmp	2100.5	64									
▶	7 Houndstooth Rd.	London	WA	WG2 7LT	UK	(71) 555-4444	452		Anne has a BA degree in English from St. Lawre...	5	http://accweb/emmployees/davolo.bmp	2333.33	56									
*																						

9. Show the list of categories whose names end with letter S.
 select CategoryName from Categories where CategoryName like '%s';

CategoryName
Beverages
Condiments
Confections
Dairy Products
Grains/Cereals

10. Show the list of companies from Paris.
 select CompanyName from Customers where City = 'Paris';

CompanyName
Paris specialits
Specialits du monde

11. Show the first and last names of employees who are Mistrs.
 select FirstName, LastName, TitleOfCourtesy from Employees where
 TitleOfCourtesy = 'Mr.';

Result Grid			
Filter Rows:			
	FirstName	LastName	TitleOfCourtesy
▶	Valeriia	Buchanan	Mr.
	Michael	Suyama	Mr.
	Robert	King	Mr.

12. Show the list of suppliers and products which they supply.

select Suppliers.CompanyName, Products.ProductName from Suppliers
join Products on Suppliers.SupplierID = Products.SupplierID;

Result Grid		Filter Rows:		export:	Wra
	CompanyName		ProductName		
	Exotic Liquids		newNameOfProduct		
	Exotic Liquids		Chang		
	Exotic Liquids		Aniseed Syrup		
	New Orleans Cajun Delights		Chef Anton's Cajun Seasoning		
	New Orleans Cajun Delights		newPrduct		
	Grandma Kelly's Homestead		Grandma's Boysenberry Spread		
	Grandma Kelly's Homestead		Uncle Bob's Organic Dried Pears		
	Grandma Kelly's Homestead		Northwoods Cranberry Sauce		
	Tokyo Traders		Mishi Kobe Niku		
	Tokyo Traders		string		
	string		Queso Cabrales		
	string		Queso Manchego La Pastora		
	okten		Konbu		
	okten		Tofu		
	okten		Genen Shouyu		
	Pavlova, Ltd.		Pavlova		

Result 587 x

13. Show the list of first and last names of employees and territories where they live

select Employees.FirstName, Employees.LastName,
Territories.TerritoryDescription from Employees
join EmployeeTerritories on Employees.EmployeeID =
EmployeeTerritories.EmployeeID
join Territories on EmployeeTerritories.TerritoryID =
Territories.TerritoryID;

Result Grid			
Filter Rows:			
	FirstName	LastName	TerritoryDescription
▶	Andrew	Fuller	Westboro
	Andrew	Fuller	Bedford
	Andrew	Fuller	Georgetow
	Andrew	Fuller	Boston
	Andrew	Fuller	Cambridge
	Andrew	Fuller	Braintree
	Valeriia	Buchanan	Providence
	Anne	Dodsworth	Hollis
	Anne	Dodsworth	Portsmouth
	Valeriia	Buchanan	Morristown
	Valeriia	Buchanan	Edison
	Valeriia	Buchanan	New York
	Valeriia	Buchanan	New York
	Valeriia	Buchanan	Melville
	Valeriia	Buchanan	Fairport
	Laura	Callahan	Philadelphia
	Margaret	Peacock	Rockville
	Margaret	Peacock	Greensboro

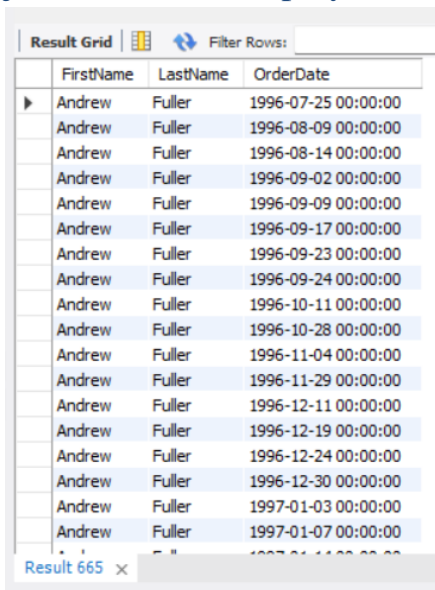
Result 664 x

14. Show the list of names of employees and dates of their orders.

select Employees.FirstName, Employees.LastName, Orders.OrderDate

from Employees

join Orders on Employees.EmployeeID = Orders.EmployeeID;



Result Grid

	FirstName	LastName	OrderDate
▶	Andrew	Fuller	1996-07-25 00:00:00
	Andrew	Fuller	1996-08-09 00:00:00
	Andrew	Fuller	1996-08-14 00:00:00
	Andrew	Fuller	1996-09-02 00:00:00
	Andrew	Fuller	1996-09-09 00:00:00
	Andrew	Fuller	1996-09-17 00:00:00
	Andrew	Fuller	1996-09-23 00:00:00
	Andrew	Fuller	1996-09-24 00:00:00
	Andrew	Fuller	1996-10-11 00:00:00
	Andrew	Fuller	1996-10-28 00:00:00
	Andrew	Fuller	1996-11-04 00:00:00
	Andrew	Fuller	1996-11-29 00:00:00
	Andrew	Fuller	1996-12-11 00:00:00
	Andrew	Fuller	1996-12-19 00:00:00
	Andrew	Fuller	1996-12-24 00:00:00
	Andrew	Fuller	1996-12-30 00:00:00
	Andrew	Fuller	1997-01-03 00:00:00
	Andrew	Fuller	1997-01-07 00:00:00

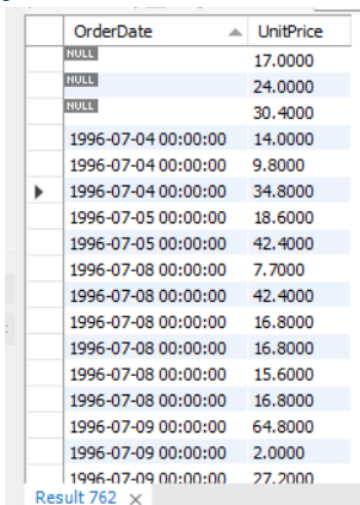
Result 665 x

15. Show the list of order dates and unit prices.

select Orders.OrderDate, OrderDetails.UnitPrice

from Orders

join OrderDetails on Orders.OrderID = OrderDate.OrderID;



	OrderDate	UnitPrice
	NULL	17.0000
	NULL	24.0000
	NULL	30.4000
	1996-07-04 00:00:00	14.0000
	1996-07-04 00:00:00	9.8000
▶	1996-07-04 00:00:00	34.8000
	1996-07-05 00:00:00	18.6000
	1996-07-05 00:00:00	42.4000
	1996-07-08 00:00:00	7.7000
	1996-07-08 00:00:00	42.4000
	1996-07-08 00:00:00	16.8000
	1996-07-08 00:00:00	16.8000
	1996-07-08 00:00:00	15.6000
	1996-07-08 00:00:00	16.8000
	1996-07-09 00:00:00	64.8000
	1996-07-09 00:00:00	2.0000
	1996-07-09 00:00:00	27.7000

Result 762 x

16. Insert 5 new records into Employees table. Fill in the following fields: LastName, FirstName, BirthDate, HireDate, Address, City, Country, Notes. The Notes field should contain your own name (to distinguish your records from the ones inserted by other trainees).

insert into northwind.Employees (LastName, FirstName, BirthDate, HireDate, Address, City, Country, Notes)

values

('Hanna', 'Marta', '1986-10-11', '2023-03-03', 'Perova st. 85/41', 'Kyiv', 'Ukraine', 'Maryna Stanyshevska'),
('Hanna2', 'Marta2', '1986-10-11', '2023-03-03', 'Perova st. 85/41', 'Kyiv', 'Ukraine', 'Maryna Stanyshevska'),
('Hanna3', 'Marta3', '1986-10-11', '2023-03-03', 'Perova st. 85/41', 'Kyiv', 'Ukraine', 'Maryna Stanyshevska'),
('Hanna4', 'Marta4', '1986-10-11', '2023-03-03', 'Perova st. 85/41', 'Kyiv', 'Ukraine', 'Maryna Stanyshevska'),
('Hanna5', 'Marta5', '1986-10-11', '2023-03-03', 'Perova st. 85/41', 'Kyiv', 'Ukraine', 'Maryna Stanyshevska');

17.Fetch the records you have inserted by the SELECT statement

18.Change the City field in one of your records using the UPDATE statement (first run the SELECT statement to check whether you are updating the appropriate records!).

```
update northwind.Employees set northwind.Employees.City=Rivne  
where northwind.Employees.EmployeeID=31
```

19.Change the HireDate field in all your records to current date (first run the SELECT statement to check whether you are updating the appropriate records!).

```
update northwind.Employees set northwind.Employees.HireDate='2023-03-04 00:00:00'  
where northwind.Employees.EmployeeID = 30;  
update northwind.Employees set northwind.Employees.HireDate='2023-03-04 00:00:00'  
where northwind.Employees.EmployeeID = 31;  
update northwind.Employees set northwind.Employees.HireDate='2023-03-04 00:00:00'  
where northwind.Employees.EmployeeID = 32;
```

20.Delete one of your records (first run the SELECT statement to check whether you are deleting the appropriate record!).

```
delete from northwind.Employees where EmployeeID = 33;
```