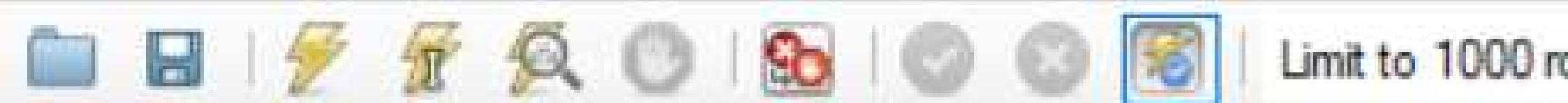```sql
1 CREATE DATABASE northwind_internship;
2 USE northwind_internship;
```

```sql
CREATE TABLE categories (
    CategoryID INT PRIMARY KEY,
    CategoryName VARCHAR(255),
    Description TEXT
);
```

```
  9
 10 ●  SELECT * FROM categories LIMIT 5;
```

Result Grid | 📁 | 🔁 Filter Rows: [_____] | Edit: 📝 📥 📤 | Export/Import: 💾 📥

	CategoryID	CategoryName	Description
▶	1	Beverages	Soft drinks, coffees, teas, beers, and ales
	2	Condiments	Sweet and savory sauces, relishes, spreads, an...
	3	Confections	Desserts, candies, and sweet breads
	4	Dairy Products	Cheeses
	5	Grains & Cereals	Breads, crackers, pasta, and cereal
✳	NULL	NULL	NULL

```sql
11
12 ● ⊖   CREATE TABLE customers (
13          CustomerID VARCHAR(10) PRIMARY KEY,
14          CompanyName VARCHAR(255),
15          ContactName VARCHAR(255),
16          ContactTitle VARCHAR(255),
17          City VARCHAR(100),
18          Country VARCHAR(100)
19      );
20
21 ●     SELECT * FROM customers LIMIT 5;
```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content:

CustomerID	CompanyName	ContactName	ContactTitle	City	Country
ALFKI	Alfreds Futterkiste	Maria Anders	Sales Representative	Berlin	Germany
ANATR	Ana Trujillo Emparedados y helados	Ana Trujillo	Owner	Mexico City	Mexico
ANTON	Antonio Moreno Taquería	Antonio Moreno	Owner	Mexico City	Mexico
AROUT	Around the Horn	Thomas Hardy	Sales Representative	London	UK
BERGS	Berglunds snabbköp	Christina Berglund	Order Administrator	Luleå	Sweden
NULL	NULL	NULL	NULL	NULL	NULL

```sql
CREATE TABLE orders (
    OrderID INT PRIMARY KEY,
    CustomerID VARCHAR(10),
    EmployeeID INT,
    OrderDate DATE,
    RequiredDate DATE,
    ShippedDate DATE,
    ShipperID INT,
    Freight DECIMAL(10, 2),
    FOREIGN KEY (CustomerID) REFERENCES customers(CustomerID)
);

SELECT * FROM orders LIMIT 5;
```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Cor

OrderID	CustomerID	EmployeeID	OrderDate	RequiredDate	ShippedDate	ShipperID	Freight
10248	VINET	5	2013-07-04	2013-08-01	2013-07-16	3	32.38
10249	TOMSP	6	2013-07-05	2013-08-16	2013-07-10	1	11.61
10250	HANAR	4	2013-07-08	2013-08-05	2013-07-12	2	65.83
10251	VICTE	3	2013-07-08	2013-08-05	2013-07-15	1	41.34
10252	SUPRD	4	2013-07-09	2013-08-06	2013-07-11	2	51.30
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

```sql
46
47  CREATE TABLE employees (
48          employeeID INT PRIMARY KEY,
49          employeeName VARCHAR(255),
50          title VARCHAR(255),
51          city VARCHAR(100),
52          country VARCHAR(100),
53          reportsTo INT NULL
54  );
55
56  SELECT * FROM employees LIMIT 5;
```

Result Grid | Filter Rows: | Edit: | Export/Import:

employeeID	employeeName	title	city	country	reportsTo
1	Nancy Davolio	Sales Representative	New York	USA	8
3	Janet Leverling	Sales Representative	New York	USA	8
4	Margaret Peacock	Sales Representative	New York	USA	8
5	Steven Buchanan	Sales Manager	London	UK	2
6	Michael Suyama	Sales Representative	London	UK	5
NULL	NULL	NULL	NULL	NULL	NULL

```sql
CREATE TABLE products (
    productID INT PRIMARY KEY,
    productName VARCHAR(255),
    quantityPerUnit VARCHAR(100),
    unitPrice DECIMAL(10, 2),
    discontinued BOOLEAN,
    categoryID INT,
    FOREIGN KEY (categoryID) REFERENCES categories(categoryID)
);

SELECT * FROM products LIMIT 5;
```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cel

productID	productName	quantityPerUnit	unitPrice	discontinued	categoryID
1	Chai	10 boxes x 20 bags	18.00	0	1
2	Chang	24 - 12 oz bottles	19.00	0	1
3	Aniseed Syrup	12 - 550 ml bottles	10.00	0	2
4	Chef Anton's Cajun Seasoning	48 - 6 oz jars	22.00	0	2
5	Chef Anton's Gumbo Mix	36 boxes	21.35	1	2
NULL	NULL	NULL	NULL	NULL	NULL

```sql
70  CREATE TABLE shippers (
71          shipperID INT PRIMARY KEY,
72          companyName VARCHAR(255)
73      );
74

75  SELECT * FROM shippers LIMIT 5;

76
```

Result Grid | Filter Rows: | Edit:

shipperID	companyName
1	Speedy Express
2	United Package
3	Federal Shipping
NULL	NULL

```sql
77    CREATE TABLE orderDetails (
78        orderID INT,
79        productID INT,
80        unitPrice DECIMAL(10, 2),
81        quantity INT,
82        discount DECIMAL(4, 2),
83        PRIMARY KEY (orderID, productID),
84        FOREIGN KEY (orderID) REFERENCES orders(orderID),
85        FOREIGN KEY (productID) REFERENCES products(productID)
86    );
87
88    SELECT * FROM orderDetails LIMIT 5;
89
```

Result Grid | Filter Rows: | Edit: | Export/Import:

orderID	productID	unitPrice	quantity	discount
10248	11	14.00	12	0.00
10248	42	9.80	10	0.00
10248	72	34.80	5	0.00
10249	14	18.60	9	0.00
10249	51	42.40	40	0.00
NULL	NULL	NULL	NULL	NULL

```sql
89
90 •     SELECT *
91       FROM customers
92       WHERE country = 'Germany';
93
94
```

	CustomerID	CompanyName	ContactName	ContactTitle	City	Country
▸	ALFKI	Alfreds Futterkiste	Maria Anders	Sales Representative	Berlin	Germany
	BLAUS	Blauer See Delikatessen	Hanna Moos	Sales Representative	Mannheim	Germany
	DRACD	Drachenblut Delikatessen	Sven Ottlieb	Order Administrator	Aachen	Germany
	FRANK	Frankenversand	Peter Franken	Marketing Manager	München	Germany
	KOENE	Königlich Essen	Philip Cramer	Sales Associate	Brandenburg	Germany
	LEHMS	Lehmanns Marktstand	Renate Messner	Sales Representative	Frankfurt a.M.	Germany
	MORGK	Morgenstern Gesundkost	Alexander Feuer	Marketing Assistant	Leipzig	Germany
	OTTIK	Ottilies Käseladen	Henriette Pfalzheim	Owner	Köln	Germany
	QUICK	QUICK-Stop	Horst Kloss	Accounting Manager	Cunewalde	Germany
	TOMSP	Toms Spezialitäten	Karin Josephs	Marketing Manager	Münster	Germany
	WANDK	Die Wandernde Kuh	Rita Müller	Sales Representative	Stuttgart	Germany
*	NULL	NULL	NULL	NULL	NULL	NULL

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content:

```
94 •     SELECT
95           e.employeeID,
96           e.employeeName AS Employee,
97           m.employeeName AS Manager
98       FROM employees e
99       LEFT JOIN employees m ON e.reportsTo = m.employeeID;
100
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: A

employeeID	Employee	Manager
1	Nancy Davolio	Laura Callahan
3	Janet Leverling	Laura Callahan
4	Margaret Peacock	Laura Callahan
5	Steven Buchanan	NULL
6	Michael Suyama	Steven Buchanan
7	Robert King	Steven Buchanan
8	Laura Callahan	NULL
9	Anne Dodsworth	Steven Buchanan

```sql
102 •    SELECT
103          country,
104          COUNT(customerID) AS total_customers
105      FROM customers
106      GROUP BY country
107      ORDER BY total_customers DESC;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: 🗛

country	total_customers
UK	7
Mexico	5
Spain	5
Venezuela	4
Canada	3
Argentina	3
Italy	3
Sweden	2
Switzerland	2
Austria	2
Portugal	2
Belgium	2
Denmark	2
Finland	2
Ireland	1
Norway	1
Poland	1

```sql
110 ●    SELECT
111          productName,
112          unitPrice,
113          quantityPerUnit
114      FROM products
115      ORDER BY unitPrice DESC
116      LIMIT 5;
117
```

Result Grid | Filter Rows: | Export:

productName	unitPrice	quantityPerUnit
Côte de Blaye	263.50	12 - 75 cl bottles
Thüringer Rostbratwurst	123.79	50 bags x 30 sausgs.
Mishi Kobe Niku	97.00	18 - 500 g pkgs.
Sir Rodney's Marmalade	81.00	30 gift boxes
Carnarvon Tigers	62.50	16 kg pkg.

```sql
119 ● SELECT
120     country,
121     COUNT(*) AS customer_count
122 FROM customers
123 GROUP BY country
124 ORDER BY customer_count DESC;
```

Result Grid | Filter Rows:

country	customer_count
USA	13
Germany	11
France	11
Brazil	9
UK	7
Mexico	5
Spain	5
Venezuela	4
Canada	3
Argentina	3
Italy	3
Sweden	2
Switzerland	2
Austria	2
Portugal	2
Belgium	2
Denmark	2

```sql
127 ●    SELECT
128          p.productName,
129          c.categoryName,
130          p.unitPrice
131      FROM products p
132      JOIN categories c ON p.categoryID = c.categoryID
133      WHERE p.discontinued = 1;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Conter

productName	categoryName	unitPrice
Chef Anton's Gumbo Mix	Condiments	21.35
Mishi Kobe Niku	Meat & Poultry	97.00
Alice Mutton	Meat & Poultry	39.00
Guarana Fantastica	Beverages	4.50
Rössle Sauerkraut	Produce	45.60
Thüringer Rostbratwurst	Meat & Poultry	123.79
Singaporean Hokkien Fried Mee	Grains & Cereals	14.00
Perth Pasties	Meat & Poultry	32.80

```sql
135  ●    SELECT
136            c.customerID,
137            c.companyName,
138            COUNT(o.orderID) AS totalOrders
139       FROM customers c
140       JOIN orders o ON c.customerID = o.customerID
141       GROUP BY c.customerID, c.companyName
142       ORDER BY totalOrders DESC
143       LIMIT 5;
```

Result Grid | Filter Rows: | Export: | Wrap C

customerID	companyName	totalOrders
SAVEA	Save-a-lot Markets	31
QUICK	QUICK-Stop	28
ERNSH	Ernst Handel	28
FOLKO	Folk och fä HB	19
HUNGO	Hungry Owl All-Night Grocers	19

```sql
145 ●     SELECT
146           c.categoryID,
147           c.categoryName,
148           ROUND(AVG(p.unitPrice), 2) AS avgUnitPrice
149       FROM categories c
150       JOIN products p ON c.categoryID = p.categoryID
151       GROUP BY c.categoryID, c.categoryName;
152
```

Result Grid | | 🔅 Filter Rows: [   ] | Export: 🖫 | Wrap Cell Co

categoryID	categoryName	avgUnitPrice
1	Beverages	37.98
2	Condiments	23.06
3	Confections	25.16
4	Dairy Products	28.73
5	Grains & Cereals	20.25
6	Meat & Poultry	54.01
7	Produce	32.37
8	Seafood	20.68

```sql
153 •    SELECT
154          cu.country,
155          COUNT(o.orderID) AS totalOrders
156      FROM customers cu
157      JOIN orders o ON cu.customerID = o.customerID
158      GROUP BY cu.country
159      ORDER BY totalOrders DESC;
160
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

country	totalOrders
Germany	120
USA	119
Brazil	81
France	75
UK	56
Venezuela	43
Austria	38
Sweden	37
Canada	29
Mexico	27
Italy	27
Spain	23
Finland	22
Ireland	19

```sql
161 •     SELECT
162           p.productName,
163           SUM(od.quantity) AS totalOrdered
164       FROM orderdetails od
165       JOIN products p ON od.productID = p.productID
166       GROUP BY p.productName
167       ORDER BY totalOrdered DESC
168       LIMIT 3;
```

Result Grid | Filter Rows: | Export: | Wrap Ce

productName	totalOrdered
Camembert Pierrot	1504
Raclette Courdavault	1496
Gorgonzola Telino	1377

```sql
170 •    SELECT
171          s.companyName AS Shipper,
172          COUNT(o.orderID) AS TotalOrders,
173          SUM(o.freight) AS TotalFreight
174      FROM
175          orders o
176      JOIN
177          shippers s ON o.shipperID = s.shipperID
178      GROUP BY
179          s.companyName
180      ORDER BY
181          TotalFreight DESC
182      LIMIT 3;
```

Result Grid | Filter Rows: | Export: | Wra

Shipper	TotalOrders	TotalFreight
United Package	315	27556.76
Federal Shipping	249	20363.10
Speedy Express	245	16035.16