```
D:\demo_db#HouJunchen>sqlite3 northwind.db
SQLite version 3.36.0 2021-06-18 18:36:39
Enter ".help" for usage hints.
sqlite> select CategoryName from Category order by CategoryName;
Beverages
Condiments
Confections
Dairy Products
Grains/Cereals
Meat/Poultry
Produce
Seafood
```

```
D:\demo_db#HouJunchen>sqlite3 northwind.db
SQLite version 3.36.0 2021-06-18 18:36:39
Enter ".help" for usage hints.
sqlite> select distinct ShipName, substr(ShipName, 1, instr(ShipName, '-')-1)
...> from 'Order'
...> where ShipName like '%-%'
...> order by ShipName;
Bottom-Dollar Markets|Bottom
Chop-suey Chinese|Chop
GROSELLA-Restaurante|GROSELLA
HILARION-Abastos|HILARION
Hungry Owl All-Night Grocers|Hungry Owl All
LILA-Supermercado|LILA
LINO-Delicateses|LINO
QUICK-Stop|QUICK
Save-a-lot Markets|Save
```

```
D:\demo_db#HouJunchen>sqlite3 northwind.db
SQLite version 3. 36. 0 2021-06-18 18:36:39
Enter ".help" for usage hints.
sqlite> select CategoryName, kind, average, minimum, maximum, sums
...> from
...> from
...> (select *
...> from (select CategoryName, count(*) as kind, round(avg(UnitPrice), 2) as average, min(UnitPrice) as maximum, max(UnitPrice) as maximum, sum(Product. UnitsOnOrder) as sums, Category.Id as id
...> from Product, Category
...> where Product. Category.Id = Category.Id
...> where kind > 10
...> where kind > 10
...> union all
...> select *
...> from (select CategoryName, count(*) as kind, round(avg(UnitPrice), 2) as average, min(UnitPrice) as maximum, max(UnitPrice) as maximum, MULL as sums, Category.Id as id
...> from roduct, Category
...> where Product. Category.Id = Category.Id as id
...> from Product, Category
...> where Product. Category.Id = Category.Id
...> group by Category.Id)
...> where kind <= 10)
...> where kind <= 10
...> order by id:
Beverages 12 37.98 14. 5 263. 5 160
Condiments 12 12 3.06 10 | 43.9 | 170
Confections 13 25. 16 | 9.2 | 81 | 180
Dairy Products 10 | 28. 73 | 2.5 55 |
Grains/Cereals 7 | 20. 25 | 7 | 38 |
Meat/Poultry 16 54. 01 | 7. 45 | 123. 79 |
Producc | 51 22. 37 | 10 | 53 |
Seafood | 12 | 20. 68 | 62. 5 | 120
```

```
D:\demo_db#HouJunchen>sqlite3 northwind.db
SQLite version 3.36.0 2021-06-18 18:36:39
Enter ".help" for usage hints.
sqlite> select *, round(julianday(OrderDate) - julianday(previousDate), 2)
...> from (select id, OrderDate, lag(OrderDate, 1, OrderDate) over (order by OrderDate) as previousDate
...> from 'Order'
...> where 'Order'.CustomerId = 'BLONP' order by OrderDate limit 10)
...> order by OrderDate;
16766 2012-07-22 23:11:15 2012-07-22 23:11:15 0.0
10265 2012-07-25 2012-07-22 23:11:15 2.03
12594 2012-08-16 16:52:23 2012-08-16 12:35:15 0.18
20882 2012-08-16 16:52:23 2012-08-16 16:52:23 21
18443 2012-08-28 05:34:03 2012-08-18 19:11:48 9.43
10297 2012-09-04 2012-08-28 05:34:03 6.77
11694 2012-09-17 00:27:14 2012-09-04 13.02
25613 2012-09-18 22:37:15 2012-09-17 00:27:14 1.92
17361 2012-09-19 12:13:21 2012-09-18 22:37:15 0.57
```

```
D:\demo_db#HouJunchen>sqlite3 northwind.db
SQLite version 3.36.0 2021-06-18 18:36:39
Enter ".help" for usage hints.
sqlite> select RegionDescription, FirstName, LastName, birthdt
...> from
...> (select FirstName, LastName, birthDate as birthdt
...> from Employee
...> where birthDate in
...> (select max(Employee.birthDate) as birthdt
...> from ((Region join Territory on Territory. RegionId = Region. Id) join EmployeeTerritory. Territory. TerritoryId = Territory. Id) join Employee on EmployeeTerritory. EmployeeId = Employee. Id
...> group by RegionId
...> (select max(Employee.birthDate) as birthdt. RegionDescription. RegionId
...> (Region join Territory on Territory. RegionId = Region. Id) join EmployeeTerritory. TerritoryId = Territory. Id) join Employee on EmployeeTerritory. EmployeeId = Employee. Id
...> group by RegionId
...> from ((Region join Territory on Territory. RegionId = Region. Id) join EmployeeTerritory on EmployeeTerritory. TerritoryId = Territory. Id) join Employee on EmployeeTerritory. EmployeeId = Employee. Id
...> group by RegionId
...> order by RegionId:
Eastern | Steven| Buchanan | 1987-03-04
Western | Michael | Suyaman | 1995-07-02
Northern | Anne | Dodsworth | 1998-01-27
Southern | Janet | Leverling | 1995-08-30
```