1. Download sample database:

[Download MySQL Sample Database](https://www.mysqltutorial.org/wp-content/uploads/2018/03/mysqlsampledatabase.zip)

<https://www.mysqltutorial.org/mysql-sample-database.aspx>

Unzip file

1. Mysqlsampledatabase.sql
2. Load database using command on sql cmd as under

***source F:\DataBases-sql\mysqlsampledatabase\mysqlsampledatabase.sql;***

1. Check if database “classicmodels” is available now by giving command:

***show databases;***

1. Next command:

***use classicmodels***

**SELECT:**

***select \* from customers***

***select lastname from employees***

**ORDER BY: 1 column ,multiple columns,expression**

***SELECT***

***contactLastname,***

***contactFirstname***

***FROM***

***customers***

***ORDER BY***

***contactLastname DESC ,***

***contactFirstname ASC;***

**ORDER BY: with expression**

* ***desc orderdetails;***
* ***SELECT***

***orderNumber,***

***orderlinenumber,***

***quantityOrdered \* priceEach***

***FROM***

***o orderdetails***

***ORDER BY***

***quantityOrdered \* priceEach DESC;***

* ***Using alias***

***SELECT***

***orderNumber,***

***orderLineNumber,***

***quantityOrdered \* priceEach AS subtotal***

***FROM***

***orderdetails***

***ORDER BY subtotal DESC;***

**Distinct:**

**Select unique lastnames of employees**

***select distinct lastname from employees order by lastname;***

get a unique combination of city and state from the customers table, you use the following query:

SELECT DISTINCT

state, city

FROM

customers

WHERE

state IS NOT NULL

ORDER BY

state,

city;

**Limit**

get the top five customers who have the highest credit:

**SELECT**

**customerNumber,**

**customerName,**

**creditLimit**

**FROM**

**customers**

**ORDER BY creditLimit DESC**

**LIMIT 5;**