6:31 PM 2018-01-22

Week 2

Other Operators

Between   --- Not Between

IN ---- NOT IN

IS --- IS NOT

FUNCTIONS

Format(ColumnName, #D)

Concat("$ ",Format(ColumnName, #D))

Date type

string "yyyy-mm-dd"
       "mm-dd-yyyy"
       "dd-mm-yyyy"

- Mount the database

```
mysql> use jan2018hr;
Database changed
```

--

Q8. Display the names of employees that earn less than 1000.

```
mysql> desc employees;
+----------------+--------------+------+-----+---------+-------+
| Field          | Type         | Null | Key | Default | Extra |
+----------------+--------------+------+-----+---------+-------+
| Employee_id    | decimal(6,0) | NO   | PRI | NULL    |       |
| First_Name     | varchar(20)  | YES  |     | NULL    |       |
| Last_Name      | varchar(25)  | NO   |     | NULL    |       |
| Email          | varchar(20)  | YES  |     | NULL    |       |
| Phone_Number   | varchar(20)  | YES  |     | NULL    |       |
```

```
| Hire_Date      | date         | NO   |     | NULL    |       |
| Job_Id         | varchar(10)  | YES  |     | NULL    |       |
| Salary         | decimal(8,2) | YES  |     | NULL    |       |
| Commission_Pct | decimal(2,2) | YES  |     | NULL    |       |
| Manager_Id     | decimal(6,0) | YES  |     | NULL    |       |
| Department_Id  | decimal(4,0) | YES  | MUL | NULL    |       |
+----------------+--------------+------+-----+---------+-------+
11 rows in set (0.11 sec)

By mistake user enters 100, as a result: empty set

mysql> select last_name Name, salary
    -> from employees
    -> where salary < 100;
Empty set (0.01 sec)



- -  - - - - - - - - - - - - - - - - - -
- Common errors
- - - - --  --   - - -- - --
mysql> select last_name Name, salar
    -> from employees
    -> where salary < 100;
ERROR 1054 (42S22): Unknown column 'salar' in 'field list'

---   - - - - - - - - - - -  -

mysql> select last_name Name, salary
    -> from employee
    -> where salary < 100;
ERROR 1146 (42S02): Table 'jan2018hr.employee' doesn't exist


- - - - - - - - - - - - - - - - - -  -
mysql> selet last_name Name, salary
    -> from employees
    -> where salary < 100;
ERROR 1064 (42000): You have an error in your SQL syntax; check the
manual that corresponds to your MySQL server version for the right
syntax to use near 'selet last_name Name, salary
from employees
where salary < 100' at line 1

- - - - - - - - - - - - - - - - - -  - - - - - - - - - - - - - -
mysql> select last_name Name, salary
    -> from employees
    -> where last_name = "king;
    ">
    ">
```

```
    ">
    ">
    ">
    ">
    ">
    ">
    ">
    ">
    "> ";
Empty set (0.02 sec)

- - - - - - - - - - - - - - - - - - - - - - - - -  - - - - - - - - -
mysql> select conca(last_name,"  ", salary) "Info"
    -> from employees
    -> ;
ERROR 1305 (42000): FUNCTION jan2018hr.conca does not exist
```

Q9. Display last name and salary of employees that earn more than 4000 that work for department 60.

```
mysql> Select last_name Name, Salary, department_id Department
    -> from employees
    -> where salary > 4000 AND department_id = 60;
+---------+---------+------------+
| Name    | Salary  | Department |
+---------+---------+------------+
| Hunold  | 9000.00 |         60 |
| Ernst   | 6000.00 |         60 |
| Lorentz | 4200.00 |         60 |
+---------+---------+------------+
3 rows in set (0.03 sec)

mysql>
mysql>
mysql>
```

Q10. Display the names and salary of employees earning between 6000 and 9000

```
mysql> select last_name Name, salary
    -> from employees
    -> where salary > 6000 and salary < 9000;
+--------+---------+
| Name   | salary  |
+--------+---------+
| Taylor | 8600.00 |
| Grant  | 7000.00 |
| Gietz  | 8300.00 |
```

```
+--------+---------+
3 rows in set (0.00 sec)
```

Q11. Same as Q10 but using the Between operator
Not the same – the operator Between is inclusive

```
mysql> select last_name Name, salary
    -> from employees
    -> where salary BETWEEN 6000 and 9000;
+--------+---------+
| Name   | salary  |
+--------+---------+
| Hunold | 9000.00 |
| Ernst  | 6000.00 |
| Taylor | 8600.00 |
| Grant  | 7000.00 |
| Fay    | 6000.00 |
| Gietz  | 8300.00 |
+--------+---------+
6 rows in set (0.00 sec)
```

Q11a. Emulates the Between operator

```
mysql> select last_name Name, salary
    -> from employees
    -> where salary >= 6000 and salary <= 9000;
+--------+---------+
| Name   | salary  |
+--------+---------+
| Hunold | 9000.00 |
| Ernst  | 6000.00 |
| Taylor | 8600.00 |
| Grant  | 7000.00 |
| Fay    | 6000.00 |
| Gietz  | 8300.00 |
+--------+---------+
6 rows in set (0.00 sec)

mysql> desc employees;
+----------------+--------------+------+-----+---------+-------+
| Field          | Type         | Null | Key | Default | Extra |
+----------------+--------------+------+-----+---------+-------+
| Employee_id    | decimal(6,0) | NO   | PRI | NULL    |       |
| First_Name     | varchar(20)  | YES  |     | NULL    |       |
| Last_Name      | varchar(25)  | NO   |     | NULL    |       |
| Email          | varchar(20)  | YES  |     | NULL    |       |
| Phone_Number   | varchar(20)  | YES  |     | NULL    |       |
| Hire_Date      | date         | NO   |     | NULL    |       |
| Job_Id         | varchar(10)  | YES  |     | NULL    |       |
```

```
| Salary         | decimal(8,2) | YES  |     | NULL    |       |
| Commission_Pct | decimal(2,2) | YES  |     | NULL    |       |
| Manager_Id     | decimal(6,0) | YES  |     | NULL    |       |
| Department_Id  | decimal(4,0) | YES  | MUL | NULL    |       |
+----------------+--------------+------+-----+---------+-------+
11 rows in set (0.00 sec)
```

Q12. Display the names of employees working for department 10 and department 60

```
mysql> select last_name Name, department_id "Works for"
    -> from employees
    -> where department_id = 10 OR department_id = 60;
+---------+-----------+
| Name    | Works for |
+---------+-----------+
| Whalen  |        10 |
| Hunold  |        60 |
| Ernst   |        60 |
| Lorentz |        60 |
+---------+-----------+
4 rows in set (0.00 sec)
```

Q12a. Using the IN operator

```
mysql> select last_name Name, department_id "Works for"
    -> from employees
    -> where department_id IN (10,60);
+---------+-----------+
| Name    | Works for |
+---------+-----------+
| Whalen  |        10 |
| Hunold  |        60 |
| Ernst   |        60 |
| Lorentz |        60 |
+---------+-----------+
4 rows in set (0.02 sec)
```

Q13. Display the names of employees not assigned to any department.

```
mysql> desc employees;
+---------------+-------------+------+-----+---------+-------+
| Field         | Type        | Null | Key | Default | Extra |
+---------------+-------------+------+-----+---------+-------+
| Employee_id   | decimal(6,0) | NO   | PRI | NULL    |       |
| First_Name    | varchar(20)  | YES  |     | NULL    |       |
| Last_Name     | varchar(25)  | NO   |     | NULL    |       |
| Email         | varchar(20)  | YES  |     | NULL    |       |
```

```
| Phone_Number   | varchar(20)  | YES  |     | NULL    |       |
| Hire_Date      | date         | NO   |     | NULL    |       |
| Job_Id         | varchar(10)  | YES  |     | NULL    |       |
| Salary         | decimal(8,2) | YES  |     | NULL    |       |
| Commission_Pct | decimal(2,2) | YES  |     | NULL    |       |
| Manager_Id     | decimal(6,0) | YES  |     | NULL    |       |
| Department_Id  | decimal(4,0) | YES  | MUL | NULL    |       |
+----------------+--------------+------+-----+---------+-------+
11 rows in set (0.00 sec)

mysql> Select last_name "Not Assigned"
    -> from employees
    -> where department_id IS null;
+--------------+
| Not Assigned |
+--------------+
| Grant        |
+--------------+
1 row in set (0.01 sec)
```

Q14. Display the names of employees that are assigned to departments as well as the departments that they are assigned to.

```
mysql> select last_name Name, department_id "Assigned to"
    -> from employees
    -> where department_id IS NOT NULL;
+-----------+-------------+
| Name      | Assigned to |
+-----------+-------------+
| King      |          90 |
| Kochhar   |          90 |
| Hunold    |          60 |
| Ernst     |          60 |
| Lorentz   |          60 |
| Mourgos   |          50 |
| Rajs      |          50 |
| Davies    |          50 |
| Matos     |          50 |
| Vargas    |          50 |
| Zlotkey   |          80 |
| Abel      |          80 |
| Taylor    |          80 |
| Whalen    |          10 |
| Hartstein |          20 |
| Fay       |          20 |
| Higgins   |         110 |
| Gietz     |         110 |
+-----------+-------------+
18 rows in set (0.00 sec)
```

```
----
Calculated Fields
----

Q15. Calculate a 20% salary increase to employees that earn less than
4000.
Display last name, salary and salary Increase.


mysql> desc employees;
+----------------+-------------+------+-----+---------+-------+
| Field          | Type        | Null | Key | Default | Extra |
+----------------+-------------+------+-----+---------+-------+
| Employee_id    | decimal(6,0) | NO   | PRI | NULL    |       |
| First_Name     | varchar(20)  | YES  |     | NULL    |       |
| Last_Name      | varchar(25)  | NO   |     | NULL    |       |
| Email          | varchar(20)  | YES  |     | NULL    |       |
| Phone_Number   | varchar(20)  | YES  |     | NULL    |       |
| Hire_Date      | date         | NO   |     | NULL    |       |
| Job_Id         | varchar(10)  | YES  |     | NULL    |       |
| Salary         | decimal(8,2) | YES  |     | NULL    |       |
| Commission_Pct | decimal(2,2) | YES  |     | NULL    |       |
| Manager_Id     | decimal(6,0) | YES  |     | NULL    |       |
| Department_Id  | decimal(4,0) | YES  | MUL | NULL    |       |
+----------------+-------------+------+-----+---------+-------+
11 rows in set (0.01 sec)

mysql> select last_name Name, salary, salary * .2 Increase
    -> from employees
    -> where salary < 4000;
+--------+---------+----------+
| Name   | salary  | Increase |
+--------+---------+----------+
| Rajs   | 3500.00 |  700.000 |
| Davies | 3100.00 |  620.000 |
| Matos  | 2600.00 |  520.000 |
| Vargas | 2500.00 |  500.000 |
+--------+---------+----------+
4 rows in set (0.01 sec)

Q15a. Display only 2 decimal places on Increase amount.


mysql> select last_name Name, salary, Format(salary * .2,2)  Increase
    -> from employees
    -> where salary < 4000;
+--------+---------+----------+
| Name   | salary  | Increase |
```

```
+--------+---------+----------+
| Rajs   | 3500.00 | 700.00   |
| Davies | 3100.00 | 620.00   |
| Matos  | 2600.00 | 520.00   |
| Vargas | 2500.00 | 500.00   |
+--------+---------+----------+
4 rows in set (0.00 sec)
```

Q15b. Add leading $ sign to the Increase amount.

```
mysql> select last_name Name, salary, Concat("$ ",Format(salary * .
2,2))  Increase
    -> from employees
    -> where salary < 4000;
+--------+---------+----------+
| Name   | salary  | Increase |
+--------+---------+----------+
| Rajs   | 3500.00 | $ 700.00 |
| Davies | 3100.00 | $ 620.00 |
| Matos  | 2600.00 | $ 520.00 |
| Vargas | 2500.00 | $ 500.00 |
+--------+---------+----------+
4 rows in set (0.00 sec)
```

Q16. Same as Q15 but now display the new salary as well.

```
mysql> select last_name Name, salary, Concat("$ ",Format(salary * .
2,2))  Increase, Format(salary * 1.2,2) "New Salary"
    -> from employees
    -> where salary < 4000;
+--------+---------+----------+------------+
| Name   | salary  | Increase | New Salary |
+--------+---------+----------+------------+
| Rajs   | 3500.00 | $ 700.00 | 4,200.00   |
| Davies | 3100.00 | $ 620.00 | 3,720.00   |
| Matos  | 2600.00 | $ 520.00 | 3,120.00   |
| Vargas | 2500.00 | $ 500.00 | 3,000.00   |
+--------+---------+----------+------------+
4 rows in set (0.00 sec)
```

Q16a. Add a leading $ sign to New Salary and only 2 decimal places.

```
mysql> select last_name Name, salary, Concat("$ ",Format(salary * .
2,2))  Increase, Concat("$ ",Format(salary * 1.2,2)) "New Salary"
    -> from employees
    -> where salary < 4000;
+--------+---------+----------+------------+
```

```
| Name   | salary  | Increase | New Salary |
+--------+---------+----------+------------+
| Rajs   | 3500.00 | $ 700.00 | $ 4,200.00 |
| Davies | 3100.00 | $ 620.00 | $ 3,720.00 |
| Matos  | 2600.00 | $ 520.00 | $ 3,120.00 |
| Vargas | 2500.00 | $ 500.00 | $ 3,000.00 |
+--------+---------+----------+------------+
4 rows in set (0.00 sec)

mysql> desc employees;
+----------------+-------------+------+-----+---------+-------+
| Field          | Type        | Null | Key | Default | Extra |
+----------------+-------------+------+-----+---------+-------+
| Employee_id    | decimal(6,0) | NO   | PRI | NULL    |       |
| First_Name     | varchar(20)  | YES  |     | NULL    |       |
| Last_Name      | varchar(25)  | NO   |     | NULL    |       |
| Email          | varchar(20)  | YES  |     | NULL    |       |
| Phone_Number   | varchar(20)  | YES  |     | NULL    |       |
| Hire_Date      | date         | NO   |     | NULL    |       |
| Job_Id         | varchar(10)  | YES  |     | NULL    |       |
| Salary         | decimal(8,2) | YES  |     | NULL    |       |
| Commission_Pct | decimal(2,2) | YES  |     | NULL    |       |
| Manager_Id     | decimal(6,0) | YES  |     | NULL    |       |
| Department_Id  | decimal(4,0) | YES  | MUL | NULL    |       |
+----------------+-------------+------+-----+---------+-------+
11 rows in set (0.00 sec)

Comparing Date types.


Q17. Display the names of employees that got hired before 1999.


mysql> select last_name Name, hire_date
    -> from employees
    -> where hire_date < '1999/1/1';
+-----------+------------+
| Name      | hire_date  |
+-----------+------------+
| King      | 1987-06-17 |
| Kochhar   | 1989-09-21 |
| Hunold    | 1990-01-03 |
| Ernst     | 1991-05-21 |
| Rajs      | 1995-10-17 |
| Davies    | 1997-01-29 |
| Matos     | 1998-03-15 |
| Vargas    | 1998-07-09 |
| Abel      | 1996-05-11 |
| Taylor    | 1998-03-24 |
| Whalen    | 1987-09-17 |
```

```
| Hartstein | 1996-02-17 |
| Fay       | 1997-09-17 |
| Higgins   | 1994-06-07 |
| Gietz     | 1994-06-07 |
+-----------+------------+
15 rows in set (0.00 sec)
```

Q17a. Using the Year() function

```
mysql> select last_name Name, hire_date
    -> from employees
    -> where year(hire_date) < '1999';
+-----------+------------+
| Name      | hire_date  |
+-----------+------------+
| King      | 1987-06-17 |
| Kochhar   | 1989-09-21 |
| Hunold    | 1990-01-03 |
| Ernst     | 1991-05-21 |
| Rajs      | 1995-10-17 |
| Davies    | 1997-01-29 |
| Matos     | 1998-03-15 |
| Vargas    | 1998-07-09 |
| Abel      | 1996-05-11 |
| Taylor    | 1998-03-24 |
| Whalen    | 1987-09-17 |
| Hartstein | 1996-02-17 |
| Fay       | 1997-09-17 |
| Higgins   | 1994-06-07 |
| Gietz     | 1994-06-07 |
+-----------+------------+
15 rows in set (0.03 sec)
```

Q18. Display the names of employees that got hired during the period of July 4, 1997 and July 4, 1999.

```
mysql> select last_name Name,  hire_date
    -> from employees
    -> where hire_date Between '1997/7/4' AND '1999/7/4';
+---------+------------+
| Name    | hire_date  |
+---------+------------+
| Lorentz | 1999-02-07 |
| Matos   | 1998-03-15 |
| Vargas  | 1998-07-09 |
| Taylor  | 1998-03-24 |
| Grant   | 1999-05-24 |
| Fay     | 1997-09-17 |
+---------+------------+
```

```
6 rows in set (0.00 sec)
```

Q19. Who was hired on the the month of May?

```
mysql> select last_name Name,  hire_date
    -> from employees
    -> where monthname(hire_date) = 'May';
+-------+------------+
| Name  | hire_date  |
+-------+------------+
| Ernst | 1991-05-21 |
| Abel  | 1996-05-11 |
| Grant | 1999-05-24 |
+-------+------------+
3 rows in set (0.02 sec)
```

Q19a. Using the month() function

```
mysql> select last_name Name,  hire_date
    -> from employees
    -> where month(hire_date) = 5;
+-------+------------+
| Name  | hire_date  |
+-------+------------+
| Ernst | 1991-05-21 |
| Abel  | 1996-05-11 |
| Grant | 1999-05-24 |
+-------+------------+
3 rows in set (0.00 sec)
```

Q20. Who was hired on the 21st of the month?

```
mysql> select last_name Name,  hire_date
    -> from employees
    -> where dayofmonth(hire_date) = 21;
+---------+------------+
| Name    | hire_date  |
+---------+------------+
| Kochhar | 1989-09-21 |
| Ernst   | 1991-05-21 |
+---------+------------+
2 rows in set (0.00 sec)
```

=====
Aggregation

Aggregated functions: Avg(), Min(), Max(), Sum(), Count()

Q21. Display the salary average in the company.

```
mysql> select avg(salary) "Salary Average"
    -> from employees;
+----------------+
| Salary Average |
+----------------+
|    8342.105263 |
+----------------+
1 row in set (0.00 sec)
```

Q22. Display the minimum salary in the company.

```
mysql> select min(salary) "Minimum Salary"
    -> from employees;
+----------------+
| Minimum Salary |
+----------------+
|        2500.00 |
+----------------+
1 row in set (0.00 sec)
```

Q23. Display the highest salary in the company.

```
mysql> select max(salary) "Highest Salary"
    -> from employees;
+----------------+
| Highest Salary |
+----------------+
|       24000.00 |
+----------------+
1 row in set (0.00 sec)
```

Q24. Display the total amount on salaries paid by the company.

```
mysql> select sum(salary) "Total Amount"
    -> from employees;
+--------------+
| Total Amount |
```

```
+--------------+
|    158500.00 |
+--------------+
1 row in set (0.00 sec)
```

Q25. How many employees work in the company?

```
mysql> select count(*) "Number of Employees"
    -> from employees;
+--------------------+
| Number of Employees |
+--------------------+
|                 19 |
+--------------------+
1 row in set (0.00 sec)
```

Q26. Display how many employees have been assigned to departments.

```
mysql> select count(department_id) "Number of Employees Assigned"
    -> from employees;
+----------------------------+
| Number of Employees Assigned |
+----------------------------+
|                         18 |
+----------------------------+
1 row in set (0.00 sec)

mysql> select count(*) "Number of employees"
    -> from employees
    -> Group by department_id;
+--------------------+
| Number of employees |
+--------------------+
|                  1 |
|                  1 |
|                  2 |
|                  5 |
|                  3 |
|                  3 |
|                  2 |
|                  2 |
+--------------------+
8 rows in set (0.00 sec)
```

Q27. How many employees there are per department?

```
mysql> select Department_id Department,count(*) "Number of employees"
    -> from employees
    -> Group by department_id;
+------------+---------------------+
| Department | Number of employees |
+------------+---------------------+
|       NULL |                   1 | <———
|         10 |                   1 |
|         20 |                   2 |
|         50 |                   5 |
|         60 |                   3 |
|         80 |                   3 |
|         90 |                   2 |
|        110 |                   2 |
+------------+---------------------+
8 rows in set (0.00 sec)
```

Q27a. Adding the department_id to the output to qualify the Number of Employees

```
mysql> select Department_id Department,count(*) "Number of employees"
    -> from employees
    -> where department_id IS NOT null
    -> Group by department_id;
+------------+---------------------+
| Department | Number of employees |
+------------+---------------------+
|         10 |                   1 |
|         20 |                   2 |
|         50 |                   5 |
|         60 |                   3 |
|         80 |                   3 |
|         90 |                   2 |
|        110 |                   2 |
+------------+---------------------+
7 rows in set (0.00 sec)
```

Q27b. Final answer

```
mysql> select Department_id Department,count(department_id) "Number of
employees"
    -> from employees
    -> where department_id IS NOT null
    -> Group by department_id;
+------------+---------------------+
| Department | Number of employees |
+------------+---------------------+
|         10 |                   1 |
|         20 |                   2 |
```

```
|         50 |                    5 |
|         60 |                    3 |
|         80 |                    3 |
|         90 |                    2 |
|        110 |                    2 |
+------------+----------------------+
7 rows in set (0.00 sec)
```

Q27c. Adding to display in numerical order Ascending by number of employees.

```
mysql> select Department_id Department,count(department_id) "Number of
employees"
    -> from employees
    -> where department_id IS NOT null
    -> Group by department_id
    -> Order by 2;
+------------+----------------------+
| Department | Number of employees |
+------------+----------------------+
|         10 |                    1 |
|         20 |                    2 |
|         90 |                    2 |
|        110 |                    2 |
|         60 |                    3 |
|         80 |                    3 |
|         50 |                    5 |
+------------+----------------------+
7 rows in set (0.00 sec)
```

Q27d. Adding to display in numerical order Descending by number of employees.

```
mysql> select Department_id Department,count(department_id) "Number of
employees"
    -> from employees
    -> where department_id IS NOT null
    -> Group by department_id
    -> Order by 2 DESC;
+------------+----------------------+
| Department | Number of employees |
+------------+----------------------+
|         50 |                    5 |
|         60 |                    3 |
|         80 |                    3 |
|         20 |                    2 |
|         90 |                    2 |
```

```
|        110 |                   2 |
|         10 |                   1 |
+------------+---------------------+
7 rows in set (0.00 sec)
```

Q27e. Adding to display in numerical order Ascending [explicit] by number of employees.

```
mysql> select Department_id Department,count(department_id) "Number of
employees"
    -> from employees
    -> where department_id IS NOT null
    -> Group by department_id
    -> Order by 2 ASC;
+------------+---------------------+
| Department | Number of employees |
+------------+---------------------+
|         10 |                   1 |
|         20 |                   2 |
|         90 |                   2 |
|        110 |                   2 |
|         60 |                   3 |
|         80 |                   3 |
|         50 |                   5 |
+------------+---------------------+
7 rows in set (0.00 sec)
```

Q28. Display the department id of those departments that have more than 3 employees.

```
mysql> select Department_id Department,count(department_id) "Number of
employees"
    -> from employees
    -> where department_id IS NOT null
    -> Group by department_id
    -> having count(department_id) > 3
    -> order by 2;
+------------+---------------------+
| Department | Number of employees |
+------------+---------------------+
|         50 |                   5 |
+------------+---------------------+
1 row in set (0.00 sec)
```

```
– – – – – – – – – – – – – – –  – –Running the Script for assignment #1 –
– – – – – – – – – – – – – – – – –  –
Copy and Paste the script content onto the mysql> command line
– – – – –  – – – – – – – – – – – – – – – – – – – – – – – – – – – – – – – – –
– – – – – – – – – – – – – – – – – –

mysql> Drop table books;
ERROR 1051 (42S02): Unknown table 'jan2018hr.books'
mysql> Create Table Books
    -> (ISBN varchar(10) Primary key,
    ->  Title varchar(80),
    ->  Author varchar(60),
    ->  Publisher varchar(60),
    ->  PubDate date,
    ->  Language varchar(20),
    ->  Category varchar(25),
    ->  PaperB varchar(1),
    ->  PBsalePrice decimal(5.2),
    ->  DigitF varchar(1),
    ->  DigsalePrice decimal(5.2),
    ->  NumPages integer);
Query OK, 0 rows affected (0.27 sec)

mysql>
mysql>
mysql>
mysql>
mysql> Insert Into Books
    -> values(6071133483,'Ser Feliz Era Esto','Eduardo Sacheri',
'Alfaguara', '2015/3/17', 'Spanish','Fiction','P',15.25, 'D', 7.21,
248);
Query OK, 1 row affected, 2 warnings (0.05 sec)

mysql>
mysql> Insert Into Books
    -> values(6071127661,'La vida que Pensamos','Eduardo Sacheri',
'Alfaguara','2014/1/30','Spanish','Fiction','P',18.28, null, null,
540);
Query OK, 1 row affected, 1 warning (0.03 sec)

mysql>
mysql> Insert Into Books
    -> values('843231255X','El futbol a sol y sombra', 'Eduardo
Galeano','Siglo XXI', '2006/1/11', 'Spanish','Fiction','P',16.95,null,
null, 414);
Query OK, 1 row affected, 1 warning (0.05 sec)

mysql>
mysql> Insert Into Books
    -> values(8432311456,'Las venas abiertas de America Latina',
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'Eduardo Galeano','Siglo XXI', '2006/1/11', 'Spanish','Fiction','P',
24.48,'D',7.05,380);
Query OK, 1 row affected, 2 warnings (0.06 sec)

mysql>
mysql> Insert Into Books
    -> values(0307474720,'Cien años de Soledad','Gabriel Garcia
Marquez','Vintage Español','2009/9/22','Spanish','Fiction','P',
10.15,'D',10.57,496);
Query OK, 1 row affected, 2 warnings (0.01 sec)

mysql>
mysql> Insert Into Books
    -> values(0307387267,'El amor en los tiempos del colera','Gabriel
Garcia Marquez','Vintage Español','2007/10/9','Spanish','Fiction','P',
12.78,'D',11.38,464);
Query OK, 1 row affected, 2 warnings (0.03 sec)

mysql>
mysql> Insert Into Books
    -> values(0062511408,'El Alquimista', 'Paulo Coelho',
'Rayo','2002/1/22', 'Spanish','Fiction','P',8.46,'D',5.03,192);
Query OK, 1 row affected, 2 warnings (0.03 sec)

mysql>
mysql> Insert Into Books
    -> values('607429223X', 'Once minutos','Paulo
Coelho','Debolsillo','2012/8/10','Spanish','Fiction', 'P',
8.46,null,null ,296);
Query OK, 1 row affected, 1 warning (0.03 sec)

mysql>
mysql> Insert Into Books
    -> values(0061829684, 'El vencedor esta solo','Paulo Coelho',
'Rayo','2010/8/31', 'Spanish','Fiction',null,null,'D',9.89,416);
Query OK, 1 row affected, 1 warning (0.03 sec)

mysql>
mysql> Insert Into Books
    -> values(0060883286,'One Hundred Years of Solitude','Gabriel
Garcia Marquez','Harper Perennial Modern
Classics','2009/8/31','English','Fiction','P',9.57,null,null,417);
Query OK, 1 row affected, 1 warning (0.02 sec)

mysql>
mysql> Insert Into Books
    -> values(0062315005,'The Alchemist', 'Paulo Coelho',
'HarperOne','2014/4/15', 'English','Fiction','P',16.98,'D',9.67,208);
Query OK, 1 row affected, 2 warnings (0.03 sec)
```

```
mysql>
mysql> Insert Into Books
    -> values(0853459916,'Open Veins of Latin America','Eduardo
Galeano',' Monthly Review
Press','1997/11/25','English','Politics','P',12.52,'D',7.05,317);
Query OK, 1 row affected, 2 warnings (0.03 sec)

mysql>
mysql> Insert Into Books
    -> values('073607483X','Periodization Training:Theory and
Methodology','Tudor Bompa','Human Kinetics', '2009/6/22',
'English','Sports','P',66.35,null, null, 424);
Query OK, 1 row affected, 1 warning (0.03 sec)

mysql>
mysql> Insert Into Books
    -> values(0736058036,'Essentials of strength training','Thomas R.
Baechle & Roger W. Earle','Human Kinetics', '2008/6/2',
'English','Sports','P',42.41,null,null,656);
Query OK, 1 row affected, 1 warning (0.03 sec)

mysql>
mysql> Insert Into Books
    -> values(0736092269,'Strength Training Anatomy','Frédéric
Delavier','Human Kinetics', '2010/3/9', 'English','Sports','P',
11.35,null, null,192);
Query OK, 1 row affected, 1 warning (0.03 sec)

mysql>
mysql> Insert Into Books
    -> values(1450413994,'Core Training Anatomy','Frédéric
Delavier','Human Kinetics', '2011/10/10',
'English','Sports',null,null,'D',14.92,144);
Query OK, 1 row affected, 1 warning (0.03 sec)

mysql>
mysql> Insert Into Books
    -> values(1591640253,'Soccer modern tactics','Alessandro
Zauli','Reedswain Books &
Videos','2002/8/1','English','Coaching',null,null,'D',7.03,128);
Query OK, 1 row affected, 1 warning (0.03 sec)

mysql>
mysql> Insert Into Books
    -> values(1890946737,'Teambuilding: the road to success','Rinus
Michels','Reedswain Books &
Videos','2002/8/1','English','Coaching','P',16.12,null,null,218);
Query OK, 1 row affected, 1 warning (0.02 sec)

mysql>
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```
mysql> Insert Into Books
    -> values(1890946710, 'Attacking Soccer','Massimo
Lucchesi','Reedswain Books &
Videos','2001/12/1','English','Coaching',null,null,'D',7.19,224);
Query OK, 1 row affected, 1 warning (0.03 sec)

mysql>
mysql> Insert Into Books
    -> values(1890946036,'The Coaching Philosophies of Louis van Gaal
and the Ajax Coaches','Henny Kormelink','Reedswain Books &
Videos','2001/12/1','English','Coaching','P',12.65,'D',7.19,224);
Query OK, 1 row affected, 2 warnings (0.03 sec)

mysql>
mysql> Insert Into Books
    -> values(9896551979,'Jose Mourinho: Special Leadership','Luis
Lourenco','Prime Books','2014/4/18','English','Sports','P',9.78,'D',
7.15,164);
Query OK, 1 row affected, 2 warnings (0.03 sec)

mysql>
mysql> Insert Into Books
    -> values(1408843501,'The Manager','Mike Carson','Bloomsbury
USA','2014/10/28','English','Sports','P',12.42,'D',7.05,320);
Query OK, 1 row affected, 2 warnings (0.03 sec)

mysql>
mysql> Insert Into Books
    -> values(1409129462,'Pep Guardiola: Another Way of Winning',
'Guillem Balague','Orion
Publishing','2013/12/1','English','Sports','P',17.06,'D',10.23,362);
Query OK, 1 row affected, 2 warnings (0.02 sec)

mysql>
mysql> Insert Into Books
    -> values(1909430161,'I Think Therefore I Play','Andrea
Pirlo','BackPage Press','2015/10/1','English','Sports','P',11.21,'D',
5.64,200);
Query OK, 1 row affected, 2 warnings (0.03 sec)

mysql>
mysql> Insert Into Books
    -> values(1472224272,'Luis Suarez: Crossing the Line - My
Story','Luis Suarez','Headline Book
Publishing','2015/8/1','English','Sports','P',16.95,null,null,288);
Query OK, 1 row affected, 1 warning (0.03 sec)

mysql>
mysql> Insert Into Books
    -> values(1938591097,'The Flea - The Amazing Story of Leo
```

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Messi','Michael Part','Sole Books','2013/8/1','English','Sports','P',
8.99,'D',4.24,160);
Query OK, 1 row affected, 2 warnings (0.03 sec)

mysql>
mysql> Insert Into Books
    -> values(1845967100,'Red Men: Liverpool Football Club The
Biography','John Williams',' Mainstream
Publishing','2011/11/28','English','Sports','P',18.40,'D',14.08,317);
Query OK, 1 row affected, 2 warnings (0.03 sec)

mysql>
mysql> Insert Into Books
    -> values('147221398X','Steven Gerrard: My Liverpool
Story','Steven Gerrard','Headline Book
Publishing','2015/4/1','English','Sports','P',18.68,'D',17.54,304);
Query OK, 1 row affected, 2 warnings (0.02 sec)

mysql>
mysql> Insert Into Books
    -> values(1780228821,'The Second Half','Roddy Doyle','Orion
Publishing','2015/9/15','English','Sports','P',11.99,'D',6.47,320);
Query OK, 1 row affected, 2 warnings (0.03 sec)

mysql>
mysql> Insert Into Books
    -> values(0718193997,'Keane: The Autobiography','Roy Keane',
'Penguin Global','2012/1/18','English','Sports','P',11.99,null,null,
336);
Query OK, 1 row affected, 1 warning (0.06 sec)

mysql>
mysql> Show tables;
+--------------------+
| Tables_in_jan2018hr |
+--------------------+
| books              |
| countries          |
| departments        |
| employees          |
| job_grades         |
| job_history        |
| jobs               |
| locations          |
| regions            |
+--------------------+
9 rows in set (0.02 sec)

mysql>
mysql> select title,author
```

```
    -> from books;
+-----------------------------------------------------------------------
+----------------------------------+
| title                                                                |
author                           |
+-----------------------------------------------------------------------
+----------------------------------+
| Periodization Training:Theory and Methodology                        |
Tudor Bompa                      |
| The Manager                                                          |
Mike Carson                      |
| Pep Guardiola: Another Way of Winning                                |
Guillem Balague                  |
| Core Training Anatomy                                                |
Frédéric Delavier                |
| Steven Gerrard: My Liverpool Story                                   |
Steven Gerrard                   |
| Luis Suarez: Crossing the Line – My Story                            |
Luis Suarez                      |
| Soccer modern tactics                                                |
Alessandro Zauli                 |
| The Second Half                                                      |
Roddy Doyle                      |
| Red Men: Liverpool Football Club The Biography                       |
John Williams                    |
| The Coaching Philosophies of Louis van Gaal and the Ajax Coaches     |
Henny Kormelink                  |
| Attacking Soccer                                                     |
Massimo Lucchesi                 |
| Teambuilding: the road to success                                    |
Rinus Michels                    |
| I Think Therefore I Play                                             |
Andrea Pirlo                     |
| The Flea – The Amazing Story of Leo Messi                            |
Michael Part                     |
| El amor en los tiempos del colera                                    |
Gabriel Garcia Marquez           |
| Cien años de Soledad                                                 |
Gabriel Garcia Marquez           |
| La vida que Pensamos                                                 |
Eduardo Sacheri                  |
| Ser Feliz Era Esto                                                   |
Eduardo Sacheri                  |
| Once minutos                                                         |
Paulo Coelho                     |
| One Hundred Years of Solitude                                        |
Gabriel Garcia Marquez           |
| El vencedor esta solo                                                |
Paulo Coelho                     |
| The Alchemist                                                        |
```

```
Paulo Coelho                        |
| El Alquimista                                                 |
Paulo Coelho                        |
| Keane: The Autobiography                                      |
Roy Keane                           |
| Essentials of strength training                               |
Thomas R. Baechle & Roger W. Earle |
| Strength Training Anatomy                                     |
Frédéric Delavier                   |
| Las venas abiertas de America Latina                          |
Eduardo Galeano                     |
| El futbol a sol y sombra                                      |
Eduardo Galeano                     |
| Open Veins of Latin America                                   |
Eduardo Galeano                     |
| Jose Mourinho: Special Leadership                             |
Luis Lourenco                       |
+-------------------------------------------------------------------
+-----------------------------------+
30 rows in set (0.00 sec)

mysql>

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- - -   - - - - - - - - - - - -
```