MYSQL MAX FUNCTION

MySQL **MAX** function is used to find out the record with maximum value among a record set.

To understand **MAX** function, consider an **employee_tbl** table, which is having the following records:

```
mysql> SELECT * FROM employee_tbl;
+------+------+------------+--------------------+
| id   | name | work_date  | daily_typing_pages |
+------+------+------------+--------------------+
|    1 | John | 2007-01-24 |                250 |
|    2 | Ram  | 2007-05-27 |                220 |
|    3 | Jack | 2007-05-06 |                170 |
|    3 | Jack | 2007-04-06 |                100 |
|    4 | Jill | 2007-04-06 |                220 |
|    5 | Zara | 2007-06-06 |                300 |
|    5 | Zara | 2007-02-06 |                350 |
+------+------+------------+--------------------+
7 rows in set (0.00 sec)
```

Now, suppose based on the above table you want to fetch maximum value of daily_typing_pages, then you can do so simply using the following command:

```
mysql> SELECT MAX(daily_typing_pages)
    -> FROM employee_tbl;
+--------------------------+
| MAX(daily_typing_pages)  |
+--------------------------+
|                      350 |
+--------------------------+
1 row in set (0.00 sec)
```

You can find all the records with maximum value for each name using **GROUP BY** clause as follows:

```
mysql> SELECT id, name, MAX(daily_typing_pages)
    -> FROM employee_tbl GROUP BY name;
+------+------+--------------------------+
| id   | name | MAX(daily_typing_pages)  |
+------+------+--------------------------+
|    3 | Jack |                      170 |
|    4 | Jill |                      220 |
|    1 | John |                      250 |
|    2 | Ram  |                      220 |
|    5 | Zara |                      350 |
+------+------+--------------------------+
5 rows in set (0.00 sec)
```

You can use **MIN** Function along with **MAX** function to find out minimum value as well. Try out the following example:

```
mysql> SELECT MIN(daily_typing_pages) least, MAX(daily_typing_pages) max
    -> FROM employee_tbl;
+-------+------+
| least | max  |
+-------+------+
|   100 |  350 |
+-------+------+
1 row in set (0.01 sec)
```