MYSQL MIN FUNCTION

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

To understand **MIN** 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 minimum value of daily_typing_pages, then you can do so simply using the following command:

```
mysql> SELECT MIN(daily_typing_pages)
    -> FROM employee_tbl;
+------------------------+
| MIN(daily_typing_pages) |
+------------------------+
|                    100 |
+------------------------+
1 row in set (0.00 sec)
```

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

```
mysql>SELECT id, name, MIN(daily_typing_pages)
    -> FROM employee_tbl GROUP BY name;
+------+------+------------------------+
| id   | name | MIN(daily_typing_pages) |
+------+------+------------------------+
|    3 | Jack |                    100 |
|    4 | Jill |                    220 |
|    1 | John |                    250 |
|    2 | Ram  |                    220 |
|    5 | Zara |                    300 |
+------+------+------------------------+
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)
```