

MYSQL MAX FUNCTION

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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)
```