MYSQL BETWEEN CLAUSE

You can use **IN** clause to replace a combination of "greather than equal AND less than equal" conditions.

To understand **BETWEEN** clause consider an **employee_tbl** table which is having 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 records with conditions daily_typing_pages more than 170 and equal and less than 300 and equal. This can be done using **>=** and **<=** conditions as follows

```
mysql>SELECT * FROM employee_tbl
    ->WHERE daily_typing_pages >= 170 AND
    ->daily_typing_pages <= 300;
+------+------+------------+------------------+
| 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 |
|    4 | Jill | 2007-04-06 |              220 |
|    5 | Zara | 2007-06-06 |              300 |
+------+------+------------+------------------+
5 rows in set (0.03 sec)
```

Same can be achieved using **BETWEEN** clause as follows:

```
mysql> SELECT * FROM employee_tbl
    -> WHERE daily_typing_pages BETWEEN 170 AND 300;
+------+------+------------+------------------+
| 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 |
|    4 | Jill | 2007-04-06 |              220 |
|    5 | Zara | 2007-06-06 |              300 |
+------+------+------------+------------------+
5 rows in set (0.03 sec)
```