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# **Query Results**

#### **Sorting Results**

We can sort the results of any query using ORDER BY and specifying the column to sort by:



By default, the sort is done in ascending order, but we can also sort the results by ASC or DESC:



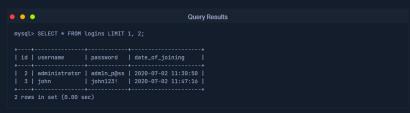


## **LIMIT** results

In case our query returns a large number of records, we can LIMIT the results to what we want only, using LIMIT and the number of records we

• • •	Query Results	
mysql> SELECT * FROM	logins LIMIT 2;	
	password   date_of_joining	
1   admin   2   administrator	p@ssw0rd	

If we wanted to LIMIT results with an offset, we could specify the offset before the LIMIT count:



returns two values.

### **WHERE Clause**

The query above will return all records which satisfy the given condition. Let us look at an example:

Query Results

mysql> SELECT \* FROM logins WHERE id > 1;

| id | username | password | date\_of\_joining |

2	administrator	admin\_p@ss	2020-07-02 11:30:50
3	john	john123!	2020-07-02 11:47:16
4	tom	tom123!	2020-07-02 11:47:16

3 rows in set (0.00 sec)

The example above selects all records where the value of id is greater than 1. As we can see, the first row with its id as 1 was skipped from the output. We can do something similar for usernames:

Query Results

mysql> SELECT \* FROM logins where username = 'admin';

| id | username | password | date\_of\_joining |

| 1 | admin | p@ssw0rd | 2020-07-02 00:00:00 |

1 row in set (0.00 sec)

The query above selects the record where the username is admin. We can use the UPDATE statement to update certain records that meet a specific condition.

Note: String and date data types should be surrounded by single quote (') or double quotes ("), while numbers can be used directly.

## **LIKE Clause**

Another useful SQL clause is LIKE, enabling selecting records by matching a certain pattern. The query below retrieves all records with usernames starting with admin:

Query Results

mysql> SELECT \* FROW logins WHERE username LIKE 'admin%';

| id | username | password | date\_of\_joining |

| 1 | admin | p@ssw0rd | 2020-07-02 00:00:00 |

| 4 | administrator | admin\_p@ss | 2020-07-02 15:19:02 |

2 rows in set (0.00 sec)

The % symbol acts as a wildcard and matches all characters after admin. It is used to match zero or more characters. Similarly, the \_ symbol is used to match exactly one character. The below query matches all usernames with exactly three characters in them, which in this case was ton.





