SHOW INDEX

Syntax

```
SHOW {INDEX | INDEXES | KEYS}
 FROM tbl_name [FROM db_name]
 [WHERE expr]
```

Description

`SHOW INDEX` returns table index information. The format resembles that of the SQLStatistics call in ODBC.

You can use `db_name.tbl_name` as an alternative to the `tbl_name FROM db_name` syntax. These two statements are equivalent:

```
SHOW INDEX FROM mytable FROM mydb;
SHOW INDEX FROM mydb.mytable;
```

`SHOW KEYS` and `SHOW INDEXES` are synonyms for `SHOW INDEX`.

You can also list a table's indexes with the following command:

```
mysqlshow -k db_name tbl_name
```

See `mysqlshow` for more details.

The `information_schema.STATISTICS` table stores similar information.

The following fields are returned by `SHOW INDEX`.

Field	Description
`Table`	Table name
`Non_unique`	`1` if the index permits duplicate values, `0` if values must be unique.
`Key_name`	Index name. The primary key is always named `PRIMARY`.
`Seq_in_index`	The column's sequence in the index, beginning with `1`.
`Column_name`	Column name.
`Collation`	Either `A`, if the column is sorted in ascending order in the index, or `NULL` if it's not sorted.
`Cardinality`	Estimated number of unique values in the index. The cardinality statistics are calculated at various times, and can help the optimizer make improved decis
`Sub_part`	`NULL` if the entire column is included in the index, or the number of included characters if not.
`Packed`	`NULL` if the index is not packed, otherwise how the index is packed.
`Null`	`NULL` if `NULL` values are permitted in the column, an empty string if `NULL`'s are not permitted.
`Index_type`	The index type, which can be `BTREE`, `FULLTEXT`, `HASH` or `RTREE`. See Storage Engine Index Types.
`Comment`	Other information, such as whether the index is disabled.
`Index_comment`	Contents of the `COMMENT` attribute when the index was created.

The `WHERE` and `LIKE` clauses can be given to select rows using more general conditions, as discussed in Extended SHOW.

Examples

```
CREATE TABLE IF NOT EXISTS `employees_example` (
  `id` int(11) NOT NULL AUTO_INCREMENT,
  `first_name` varchar(30) NOT NULL,
  `last_name` varchar(40) NOT NULL,
  `position` varchar(25) NOT NULL,
  `home_address` varchar(50) NOT NULL,
  `home_phone` varchar(12) NOT NULL,
  `employee_code` varchar(25) NOT NULL,
  PRIMARY KEY (`id`),
  UNIQUE KEY `employee_code` (`employee_code`),
  KEY `first_name` (`first_name`,`last_name`)
) ENGINE=Aria;

INSERT INTO `employees_example` (`first_name`, `last_name`, `position`, `home_address`, `home_phone`, `employee_code`)
  VALUES
  ('Mustapha', 'Mond', 'Chief Executive Officer', '692 Promiscuous Plaza', '326-555-3492', 'MM1'),
  ('Henry', 'Foster', 'Store Manager', '314 Savage Circle', '326-555-3847', 'HF1'),
  ('Bernard', 'Marx', 'Cashier', '1240 Ambient Avenue', '326-555-8456', 'BM1'),
  ('Lenina', 'Crowne', 'Cashier', '281 Bumblepuppy Boulevard', '328-555-2349', 'LC1'),
  ('Fanny', 'Crowne', 'Restocker', '1023 Bokanovsky Lane', '326-555-6329', 'FC1'),
  ('Helmholtz', 'Watson', 'Janitor', '944 Soma Court', '329-555-2478', 'HW1');

SHOW INDEXES FROM employees_example;
+------------------+------------+---------------+--------------+---------------+-----------+-------------+----------+--------+------+--
| Table            | Non_unique | Key_name      | Seq_in_index | Column_name   | Collation | Cardinality | Sub_part | Packed | Null | I
+------------------+------------+---------------+--------------+---------------+-----------+-------------+----------+--------+------+--
| employees_example |          0 | PRIMARY       |            1 | id            | A         |           7 |     NULL | NULL   |      | B
| employees_example |          0 | employee_code |            1 | employee_code | A         |           7 |     NULL | NULL   |      | B
| employees_example |          1 | first_name    |            1 | first_name    | A         |        NULL |     NULL | NULL   |      | B
| employees_example |          1 | first_name    |            2 | last_name     | A         |        NULL |     NULL | NULL   |      | B
+------------------+------------+---------------+--------------+---------------+-----------+-------------+----------+--------+------+--
```

← SHOW GRANTS ↑ SHOW ↑ SHOW INDEX_STATISTICS →

Comments

No comments