DEVHINTS.IO

Edit

MySQL cheatsheet

Create / Delete Database

```
CREATE DATABASE dbNameYouWant
CREATE DATABASE dbNameYouWant CHARACTER SET utf8
DROP DATABASE dbNameYouWant
ALTER DATABASE dbNameYouWant CHARACTER SET utf8
```

Repair Tables After Unclean Shutdown

```
mysqlcheck --all-databases
mysqlcheck --all-databases --fast
```

Select

```
SELECT * FROM table
SELECT * FROM table1, table2, ...
SELECT field1, field2, ... FROM table1, table2, ...
SELECT ... FROM ... WHERE condition
SELECT ... FROM ... WHERE condition GROUPBY field
SELECT ... FROM ... WHERE condition GROUPBY field HAVING condition2
SELECT ... FROM ... WHERE condition ORDER BY field1, field2
SELECT ... FROM ... WHERE condition ORDER BY field1, field2 DESC
SELECT ... FROM ... WHERE condition LIMIT 10
SELECT DISTINCT field1 FROM ...
SELECT DISTINCT field1, field2 FROM ...
```

Insert

Backup Data

```
mysqldump -u
```

Restore from

```
mysql - u Us
```

Browsing

```
SHOW DATABAS
SHOW TABLES
SHOW FIELDS
        E
        SS
        ss
```

Select - Join

```
SELECT ... F
SELECT ... F
SELECT ... F
```

Conditions

```
INSERT INTO table1 (field1, field2, ...) VALUES (value1, value2, ...)
```

al
va

field1 LIKE
field1 IS NU
field1 IS NO
IN
NO
A
O

Delete

```
DELETE FROM table1 / TRUNCATE table1
DELETE FROM table1 WHERE condition
DELETE FROM table1, table2 FROM table1, table2 WHERE table1.id1 =
   table2.id2 AND condition
```

Update

UPDATE table
le
d1

Create / Delete / Modify Table

Create

```
CREATE TABLE table (field1 type1, field2 type2, ...)
CREATE TABLE table (field1 type1, field2 type2, ..., INDEX (field))
CREATE TABLE table (field1 type1, field2 type2, ..., PRIMARY KEY (field1))
CREATE TABLE table (field1 type1, field2 type2, ..., PRIMARY KEY (field1,
field2))
```

```
CREATE TABLE table1 (fk_field1 type1, field2 type2, ...,
  FOREIGN KEY (fk_field1) REFERENCES table2 (t2_fieldA))
    [ON UPDATE|ON DELETE] [CASCADE|SET NULL]
```

```
CREATE TABLE table1 (fk_field1 type1, fk_field2 type2, ...,
 FOREIGN KEY (fk_field1, fk_field2) REFERENCES table2 (t2_fieldA, t2_fieldB))
```

```
CREATE TABLE table IF NOT EXISTS (...)
```

```
CREATE TEMPORARY TABLE table (...)
```

Keys

CREATE TABLE
CREATE TABLE
(t2_field1,

Users and Pri

GRANT ALL PR
GRANT SELECT
REVOKE ALL P
REVOKE ALL P

SET PASSWORD
SET PASSWORD
SET PASSWORD

DROP USER 'u

Host '%' indica

Drop

```
DROP TABLE table
DROP TABLE IF EXISTS table
DROP TABLE table1, table2, ...
```

Alter

```
ALTER TABLE table MODIFY field1 type1
ALTER TABLE table MODIFY field1 type1 NOT NULL ...
ALTER TABLE table CHANGE old_name_field1 new_name_field1 type1
ALTER TABLE table CHANGE old_name_field1 new_name_field1 type1 NOT NULL ...
ALTER TABLE table ALTER field1 SET DEFAULT ...
```

Main Data Ty

```
ALTER TABLE table ALTER field1 DROP DEFAULT
ALTER TABLE table ADD new_name_field1 type1
ALTER TABLE table ADD new_name_field1 type1 FIRST
ALTER TABLE table ADD new_name_field1 type1 AFTER another_field
ALTER TABLE table DROP field1
ALTER TABLE table ADD INDEX (field);
```

Change field order

```
ALTER TABLE table MODIFY field1 type1 FIRST
ALTER TABLE table MODIFY field1 type1 AFTER another_field
ALTER TABLE table CHANGE old_name_field1 new_name_field1 type1 FIRST
ALTER TABLE table CHANGE old_name_field1 new_name_field1 type1 AFTER
    another_field
```

TINYINT (1o:
SMALLINT (2o
MEDIUMINT (3
INT (4o: +-
BIGINT (8o:

Precise inte

⚠ INT(2) = "2 d

FLOAT(M,D)
DOUBLE(M,D)
FLOAT(D=0->5

⚠ 8,3 -> 12345

TIME (HH:MM)
)
-M
AA
(l

Reset Root Password

```
$ /etc/init.d/mysql stop

$ mysqld_safe --skip-grant-tables

$ mysql # on another terminal
mysql> UPDATE mysql.user SET password=PASSWORD('new_pass') WHERE user='root';

## Switch back to the mysqld_safe terminal and kill the process using Control + \
$ /etc/init.d/mysql start
```

Your commands may vary depending on your OS.
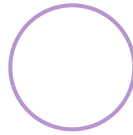
in
i-
ry

TE
ON

ue

▶   **2 Comments** for this cheatsheet. Write yours!

Search 381+ cheatsheets

Over 381 curated cheatsheets, by developers for developers.

Devhints home

Other Databases cheatsheets

Top cheatsheets

SQL joins	GraphQL
cheatsheet	cheatsheet

Knex	PostgreSQL JSON
cheatsheet	cheatsheet

PostgreSQL
cheatsheet

Elixir	ES2015+
cheatsheet	cheatsheet

React.js	Vimdiff
cheatsheet	cheatsheet

Vim	Vim scripting
cheatsheet	cheatsheet