

# MySQL cheatsheet

## Browsing

```
SHOW DATABASES;  
SHOW TABLES;  
SHOW FIELDS FROM table / DESCRIBE table;  
SHOW CREATE TABLE table;  
SHOW PROCESSLIST;  
KILL process_number;
```

## Select

```
SELECT  
SELECT  
SELECT  
SELECT  
SELECT  
SELECT  
SELECT  
SELECT  
SELECT  
SELECT  
SELECT
```

## Select - Join

```
SELECT ... FROM t1 JOIN t2 ON t1.id1 = t2.id2 WHERE condition;  
SELECT ... FROM t1 LEFT JOIN t2 ON t1.id1 = t2.id2 WHERE condition;  
SELECT ... FROM t1 JOIN (t2 JOIN t3 ON ...) ON ...
```

## Condition

## Create / Open / Delete Database

```
CREATE DATABASE DatabaseName;  
CREATE DATABASE DatabaseName CHARACTER SET utf8;  
USE DatabaseName;  
DROP DATABASE DatabaseName;  
ALTER DATABASE DatabaseName CHARACTER SET utf8;
```

```
field1  
field1  
field1  
field1  
field1  
field1  
field1  
field1  
field1  
field1  
field1
```

## Backup Database to SQL File

```
mysqldump -u Username -p dbNameYouWant > databasename_backup.sql
```

## Restore

```
mysql -
```

## Repair Tables After Unclean Shutdown

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

## Insert

```
INSERT
```

## Update

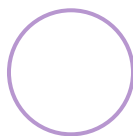
## Delete

<pre>\$ /etc/init.d/mysql stop</pre>	INT .IN JMI 4c IT
<pre>\$ mysqld_safe --skip-grant-tables</pre>	se
<pre>\$ mysql # on another terminal mysql&gt; UPDATE mysql.user SET password=PASSWORD('new_pass') WHERE user='root';</pre>	(2
<pre>## Switch back to the mysqld_safe terminal and kill the process using Control + \ \$ /etc/init.d/mysql start</pre>	(M E( FLOAT(C
<pre>Your commands may vary depending on your OS.</pre>	
<pre>CREATE TABLE table IF NOT EXISTS;</pre>	⚠ 8,3 ->
<pre>CREATE TEMPORARY TABLE table;</pre>	TIME (F YEAR (A DATE (A DATETIM TIMESTA
<pre>Drop</pre>	
<pre>DROP TABLE table; DROP TABLE IF EXISTS table; DROP TABLE table1, table2, ...</pre>	
<pre>Alter</pre>	VARCHAR TEXT (n BLOB (b
<pre>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 ... 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);</pre>	Variants VARCHAR ENUM ('
<pre>Change field order</pre>	
<pre>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</pre>	

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