

SQL Referenca

CREATE DATABASE *dbname*; USE *dbname*; DROP DATABASE *dbname*; DESC *table_name*;

```
CREATE [OR REPLACE] TABLE [IF NOT EXISTS] table_name (  
    col_name COL_TYPE [NOT NULL] [AUTO_INCREMENT],...  
    [PRIMARY KEY(col_name,...)],  
    [UNIQUE (col_name)],...  
    [CHECK (condition)],...  
    [CONSTRAINT constraint_name [CHECK(condition)]],...  
    [CONSTRAINT constraint_name [UNIQUE(col_name,...)]],...  
    [CONSTRAINT constraint_name FOREIGN KEY(col_name) REFERENCES foreign_table(col_name)],...  
);
```

COL_TYPE = INT | SMALLINT | TINYINT | CHAR | VARCHAR | TEXT | BLOB | FLOAT | DOUBLE | DECIMAL

CREATE [OR REPLACE] TABLE [IF NOT EXISTS] *table_name* AS *select_query*;

```
ALTER TABLE table_name ADD col_name COL_TYPE;  
ALTER TABLE table_name DROP COLUMN column_name;  
ALTER TABLE table_name MODIFY COLUMN column_name COL_TYPE;
```

DROP TABLE *table_name*; TRUNCATE TABLE *table_name*;

```
CREATE [OR REPLACE] INDEX [IF NOT EXISTS] index_name ON table_name (column1, column2,...);  
CREATE [OR REPLACE] UNIQUE INDEX [IF NOT EXISTS] index_name ON table_name (column1, column2,...);  
ALTER TABLE table_name DROP INDEX index_name;
```

```
INSERT INTO table_name [(column1, column2, column3,...)] VALUES (value1, value2, value3,...);  
UPDATE table_name SET column1 = value1, column2 = value2,... [WHERE condition];  
DELETE FROM table_name [WHERE where_condition];
```

```
SELECT [DISTINCT] column1 [AS alias1],... FROM table_name [table_alias],... [WHERE condition]  
    [GROUP BY column_name(s)]  
    [ORDER BY column_name(s) [ASC | DESC]]  
    [LIMIT number [OFFSET number]]
```

```
... WHERE columnN [NOT] LIKE pattern;      pattern := % => 0,1,2+ chars | _ => exactly one  
... WHERE condition1 [AND|OR] condition2 [AND|OR] condition3 ...;  
... WHERE NOT condition;      operatori := >, <, =, <=, >=, <>  
... WHERE column_name IS [NOT] NULL;  
... WHERE column_name IN (value1, value2, ...);  
... WHERE column_name BETWEEN value1 AND value2;
```

```
SELECT column_name(s) FROM table1 t1 [INNER|LEFT|RIGHT] JOIN table2 t2 ON t1.column=t2.column,...;  
SELECT column_name(s) FROM table1 CROSS JOIN table2;  
SELECT column_name(s) FROM table1 UNION [ALL] SELECT column_name(s) FROM table2;
```

```
CREATE [OR REPLACE] VIEW [IF NOT EXISTS] view_name AS select_statement;  
DROP VIEW view_name;
```

MySQL Aggregation functions := SUM, MIN, MAX, COUNT, AVG

MySQL String functions := LENGTH, REVERSE, TRIM, LTRIM, RTRIM, UPPER, LOWER, CONCAT

MySQL Number functions := POW, SUM, SIN, COS, ROUND

MySQL Date functions := CURDATE, NOW, DAY, MONTH, YEAR, DAYOFWEEK, DAYOFMONTH, DAYOFYEAR, WEEKOFYEAR,
DATE_ADD(*date*, INTERVAL *value* *addunit*)

addunit := SECOND | MINUTE | HOUR | DAY | WEEK | MONTH | QUARTER | YEAR