

# MySQL Cheat Sheet

## SELECT Statement

```
SELECT col1, col2 FROM table
JOIN table2 ON table1.col =
table2.col WHERE condition
GROUP BY column_name HAVING condition
ORDER BY col1 ASC|DESC;
```

## SELECT Keywords

**DISTINCT:** Removes duplicate results

```
SELECT DISTINCT product_name FROM
product;
```

**BETWEEN:** Matches a value between two other values (inclusive)

```
SELECT product_name FROM product
WHERE price BETWEEN 50 AND 100;
```

**IN:** Matches to any of the values in a list

```
SELECT product_name FROM product
WHERE category IN ('Electronics',
'Furniture');
```

**LIKE:** Performs wildcard matches using \_ or %

```
SELECT product_name FROM product
WHERE product_name LIKE '%Desk%';
```

## INSERT Statements

A single row

```
INSERT INTO tablename (col1, col2...)
VALUES (val1, val2...);
```

Multiple rows

```
INSERT INTO tablename (col1, col2...)
VALUES
(valA1, valB1),
(valA2, valB2),
(valA3, valB3);
```

## UPDATE Statement

```
UPDATE tablename SET col1 = val1
WHERE condition;
```

## DELETE Statement

```
DELETE FROM tablename WHERE
condition;
```

## CREATE Statement

```
CREATE TABLE tablename (
column_name data_type,
column_name data_type,
column_name data_type,
);
```

Create Table with Constraints

```
CREATE TABLE tablename (
col1 data_type constraints,
col2 data_type NOT NULL,
col3 data_type PRIMARY KEY,
col4 data_type UNIQUE,
col5 data_type CHECK(conditions)
);
```

Drop Table

```
DROP TABLE tablename;
```

## ALTER Statement

Add Column

```
ALTER TABLE tablename ADD
columnname datatype;
```

Drop Column

```
ALTER TABLE tablename DROP COLUMN
columnname;
```

Modify Column

```
ALTER TABLE tablename CHANGE
columnname newcolumnname
newdatatype;
```

Rename Column

```
ALTER TABLE tablename CHANGE
COLUMN currentname TO newname;
```

Drop Constraint

```
ALTER TABLE tablename DROP
constraint_type constraintname;
```

Rename Table

```
ALTER TABLE tablename
RENAME TO newtablename;
```