

# MYSQL Cheat Sheet

## MYSQL Design

Database > Table(s) > Data

### Table Columns:

Limit: 4096 Columns/Table  
Each Column Identified By Name  
A Datatype Must Be Specified For Each Column

### Table Rows:

Rows Are Added As New Data Is Stored  
Data Is Limited By Column Datatype  
Each Row Should Be Uniquely Identifiable

## MYSQL Syntax

Statements Must End With Semicolons (;)

Reserve Words Can Be Capitalized  
SELECT, FROM, AND, LIKE, Etc.

## Connecting/Disconnect

```
mysql -h host -u username -p  
quit
```

## Database Commands

```
SHOW DATABASES;  
CREATE DATABASE databasename;  
USE databasename;  
DROP DATABASE databasename;  
DROP DATABASE IF EXISTS  
databasename;
```

## Table Commands

```
CREATE TABLE tablename (  
columnname1 DATATYPE,  
columnname2 DATATYPE,  
columnname3 DATATYPE,  
PRIMARY KEY(columnname)  
);  
SHOW TABLES;  
DESCRIBE tablename;  
DROP TABLE tablename;  
DROP TABLE IF EXISTS tablename;
```

## MYSQL Data Manipulation

```
INSERT INTO tablename (  
columnname1,  
columnname2  
) VALUES (  
'data',  
'data'  
);  
SELECT * FROM tablename;  
SELECT * FROM tablename  
WHERE columnname LIKE 'data';  
SELECT columnname1,  
columnname2 FROM tablename;  
UPDATE tablename  
SET columnname = 'data'  
WHERE columnname = 'data';  
DELETE FROM tablename  
WHERE columnname = 'data';
```

## Datatypes

```
TINYINT  
MALLINT  
MEDIUMINT  
INT  
BIGINT  
CHAR()  
VARCHAR()  
TINYTEXT  
TEXT  
MEDIUMTEXT  
LONGTEXT  
DATETIME  
DATE  
TIMESTAMP  
TIME  
YEAR
```