MySQL Queries

```
mysql> DROP DATABASE southwind;
```

```
mysql> CREATE DATABASE IF NOT EXISTS southwind;
```

```
mysql> DROP DATABASE IF EXISTS southwind;
```

SHOW CREATE DATABASE

```
mysql> SHOW CREATE DATABASE southwind \G  Setting the Default Database
mysql>USE southwind;
```

Creating and Deleting a Table -- Show the current (default) database

```
 mysql> SELECT DATABASE();
```

-- Show all the tables in the current database.

```
 mysql> SHOW TABLES;
```

-- Create the table "products".

```
mysql> CREATE TABLE IF NOT EXISTS products (         productID    INT UNSIGNED  NOT NULL AUTO_INCREMENT,         productCode  CHAR(3)      NOT NULL DEFAULT '',         name         VARCHAR(30)   NOT NULL DEFAULT '',         quantity     INT UNSIGNED  NOT NULL DEFAULT 0,         price        DECIMAL(7,2)  NOT NULL DEFAULT 99999.99,         PRIMARY KEY  (productID)       );
```

-- Show all the tables to confirm that the "products" table has been created

```
mysql> SHOW TABLES;
```

-- Describe the fields (columns) of the "products" table

```
mysql> DESCRIBE products;
```

-- Show the complete CREATE TABLE statement used by MySQL to create this table

mysql> SHOW CREATE TABLE products \G

Inserting Rows -- Insert a row with all the column values mysql> INSERT INTO products VALUES (1001, 'PEN', 'Pen Red', 5000, 1.23);

-- Insert multiple rows in one command -- Inserting NULL to the auto_increment column results in max_value + 1

mysql> INSERT INTO products VALUES (NULL, 'PEN', 'Pen Blue', 8000, 1.25), (NULL, 'PEN', 'Pen Black', 2000, 1.25);

-- Insert value to selected columns -- Missing value for the auto_increment column also results in max_value + 1

mysql> INSERT INTO products (productCode, name, quantity, price) VALUES ('PEC', 'Pencil 2B', 10000, 0.48), ('PEC', 'Pencil 2H', 8000, 0.49);

-- Missing columns get their default values

mysql> INSERT INTO products (productCode, name) VALUES ('PEC', 'Pencil HB');

-- 2nd column (productCode) is defined to be NOT NULL

mysql> INSERT INTO products values (NULL, NULL, NULL, NULL, NULL);

--show table mysql> SELECT * FROM products;

-- Remove the specific row

mysql> DELETE FROM products WHERE productID = 1006;

-- List all rows for the specified columns

mysql> SELECT name, price FROM products;

SELECT without Table You can also issue SELECT without a table. For example, you can SELECT an expression or evaluate a built-in function.