



# **What is a SQL Statement and types of SQL statements**



# SQL statements defined...

- SQL (pronounced "ess-que-el") stands for Structured Query Language
- SQL is used to communicate with a database.
- According to ANSI (American National Standards Institute), it is the standard language for relational database management systems.
- SQL statements are used to perform tasks such as update data on a database, or retrieve data from a database.
- Most RDBMS use SQL .
- Most of them also have their own additional proprietary extensions that are usually only used on their system.
- However, the standard SQL commands such as "Select", "Insert", "Update", "Delete", "Create", and "Drop" can be used to accomplish almost everything that one needs to do with a database.



# SQL statements examples...

```
USE sakila;  
SELECT * FROM sakila.actor where last_name = 'chase'
```

```
USE sakila;  
update sakila.actor set last_name = 'chase sr'  
WHERE last_name = 'chase'
```

```
USE sakila;  
drop table sakila.actor
```



# Types of SQL Statements...

- DML (DATA MANIPULATION LANGUAGE)
- DDL (DATA DEFINITION LANGUAGE)
- DCL (DATA CONTROL LANGUAGE)
- TCL (TRANSACTION CONTROL LANGUAGE)