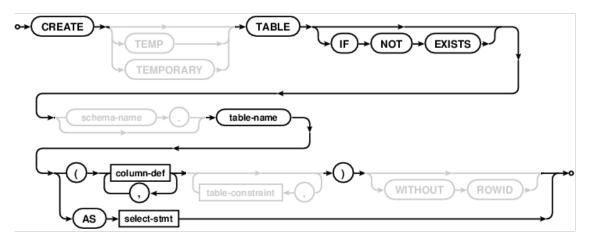




Create Table and Drop Table

Create Table

CREATE TABLE expression syntax:



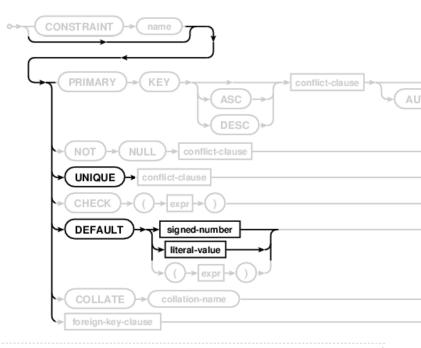
Examples:

CREATE TABLE numbers (n, note);
CREATE TABLE numbers (n UNIQUE, note);
CREATE TABLE numbers (n, note DEFAULT "No comment");

column-def:



column-constraint:



4

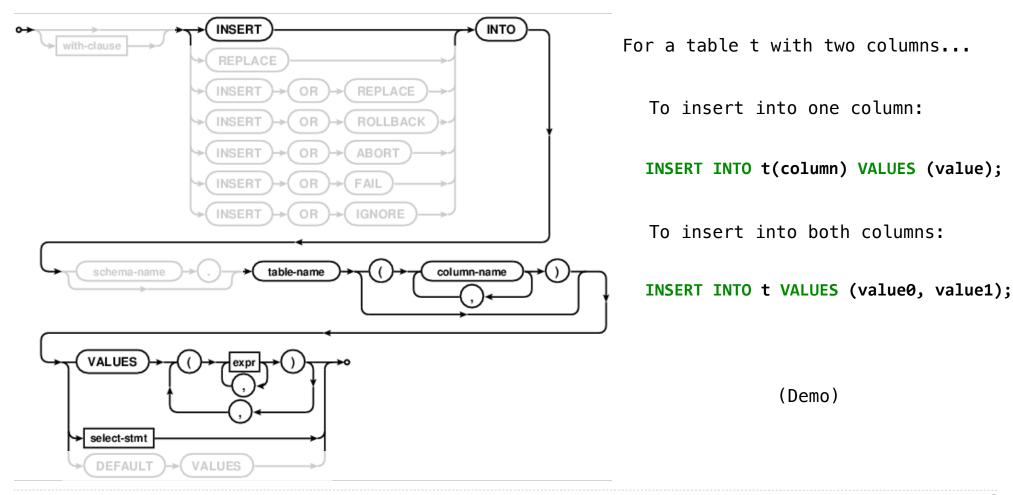
Drop Table



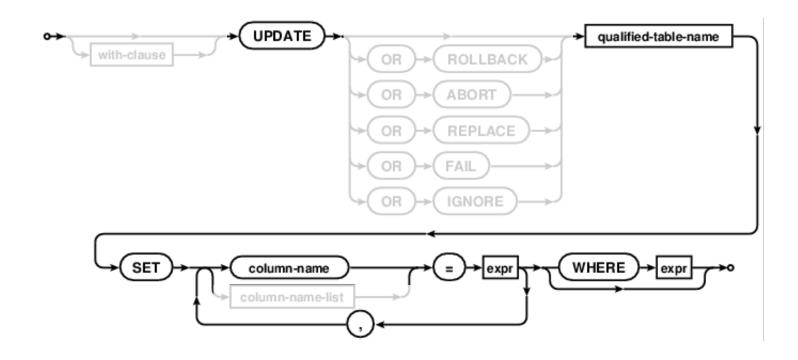
,



Insert

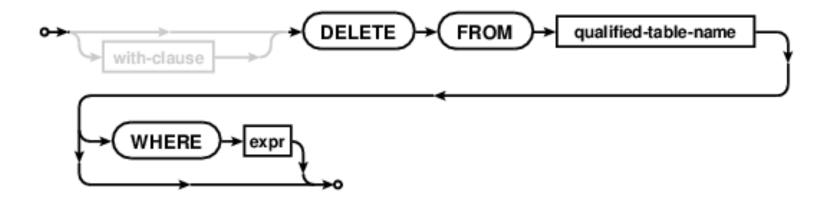


Update



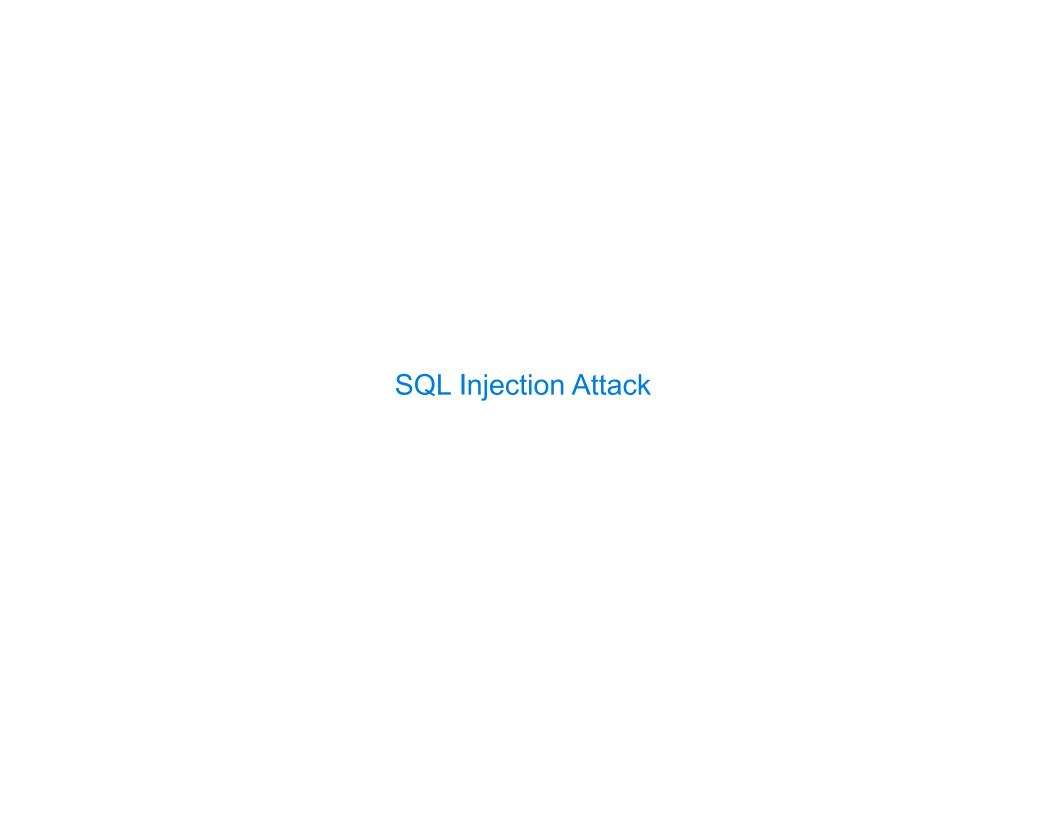
Update sets all entries in certain columns to new values, just for some subset of rows.

Delete

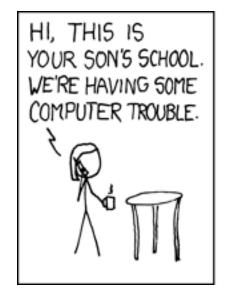


Delete removes some or all rows from a table.

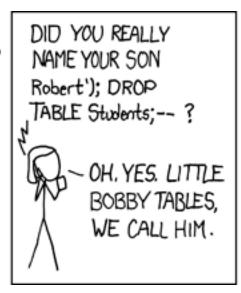
Python and SQL



A Program Vulnerable to a SQL Injection Attack



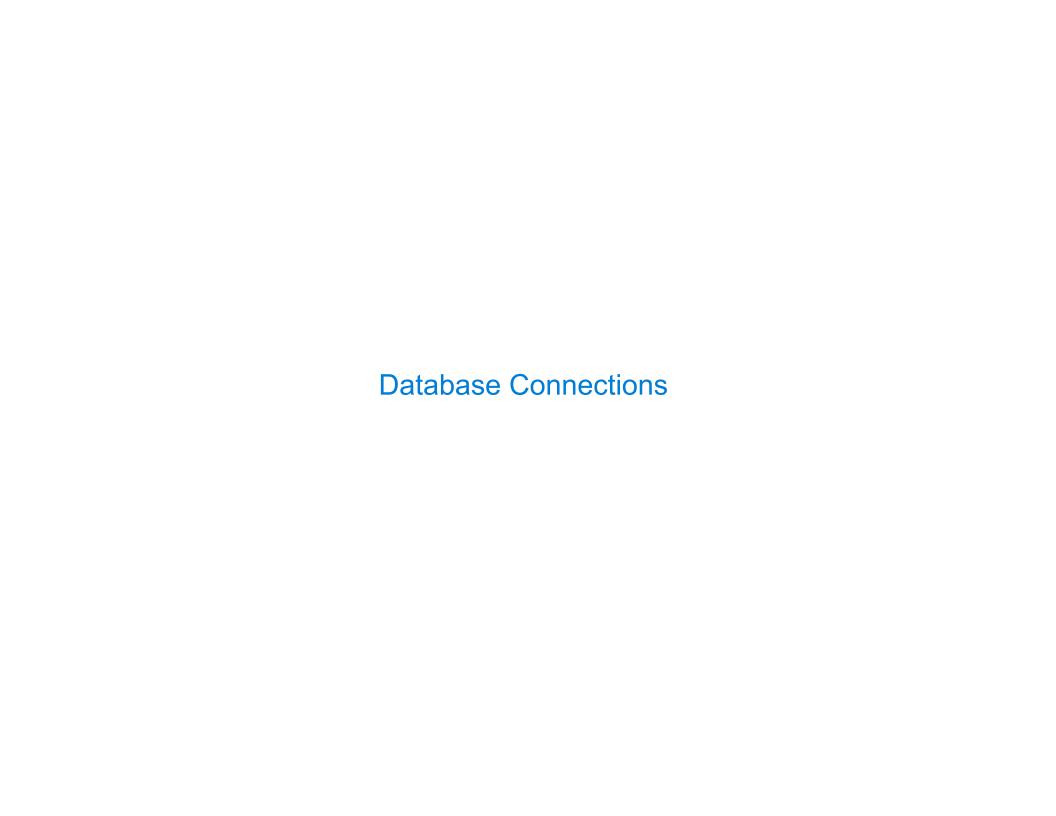






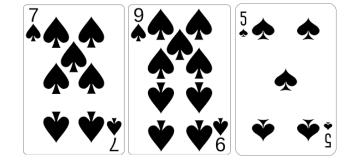
```
name = "Robert'); DROP TABLE Students; --"
cmd = "INSERT INTO Students VALUES ('" + name + "');"
db.executescript(cmd)    db.execute("INSERT INTO Students VALUES (?)", [name])

INSERT INTO Students VALUES ('Robert''); DROP TABLE Students; --');
INSERT INTO Students VALUES ('Robert'); DROP TABLE Students; ');
```



Casino Blackjack

Player:



Dealer:

