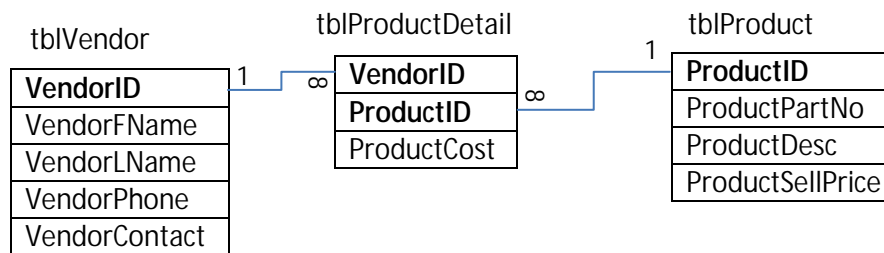


DML – Data Manipulation Language

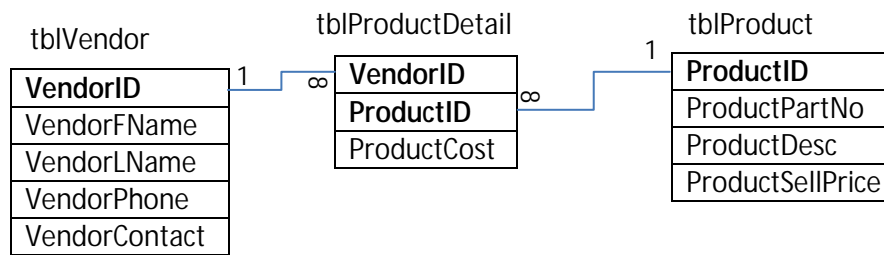
SELECT INSERT UPDATE DELETE	Data Manipulation Language (DML) Retrieves data from the database, enters new rows, changes existing data, removes unwanted rows, inserts or changes rows based on a conditional match.
--------------------------------------	---

Examples for the INSERT statement:



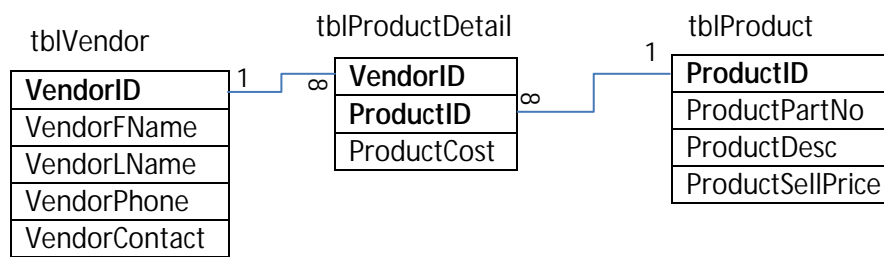
Insert a row into a table.	<pre>INSERT INTO tblProduct (ProductID, ProductPartNo, ProductDesc, ProductSellPrice) VALUES (6, 'A101', 'Acme Road Runner Catcher', 10.50);</pre>
Insert Row – same as above but without the column names – use only if you are populating all columns.	<pre>INSERT INTO tblProduct VALUES (6, 'A101', 'Acme Road Runner Catcher', 10.50);</pre>
Insert with NULLs	<pre>INSERT INTO tblVendor (VendorID, VendorFName, VendorLName, VendorPhone, VendorContact) VALUES (10, NULL, NULL, '416-555-1234', 'Acme');</pre>
Insert a single quote ('). Notice I used 2 single quotes after O to get O'Malley	<pre>INSERT INTO tblVendor VALUES (9, 'Kyle', 'O''Malley', NULL, NULL);</pre>
Insert a double quote (").	<pre>INSERT INTO tblProduct VALUES (13, 'B234', 'The "BEST" Product', 24.99);</pre>
Using an insert with a select statement – This example creates a backup of the Product table.	<pre>INSERT INTO tblProduct_BKP SELECT * FROM tblProduct WHERE ID IN (SELECT ID FROM tblProduct) ;</pre>

Examples for the UPDATE statement:



Change the data in a single row.	UPDATE <i>tblProduct</i> SET <i>ProductSellPrice</i> = 20.99 WHERE <i>ProductID</i> = 2;
Change data in more than one row using a WHERE clause and updated data using a formula.	UPDATE <i>tblProduct</i> SET <i>ProductSellPrice</i> = <i>ProductSellPrice</i> * 1.20 WHERE <i>ProductSellPrice</i> >= 20;
Change more than one column of data.	UPDATE <i>tblProduct</i> SET <i>ProductSellPrice</i> = 20.99, <i>ProductPartNo</i> ='A102', <i>ProductDesc</i> ='Laptop' WHERE <i>ProductID</i> = 2;

Examples for the DELETE statement:



Delete a single record	DELETE FROM <i>tblProduct</i> WHERE <i>ProductID</i> = 10;
Delete more than one record	DELETE FROM <i>tblProduct</i> WHERE <i>ProductSellPrice</i> Between 10 AND 20 ;