# **SQL UPDATE Statement**

**SQL UPDATE Statement:**

1. The UPDATE statement is used to modify the existing records in a table.
2. Update syntax:

|  |
| --- |
| UPDATE table\_name  SET column1 = value1, column2 = value2, ...  WHERE condition; |

**UPDATE Table:**

1. The following SQL statement updates the first customer (CustomerID = 1) with a new contact person and a new city.

|  |
| --- |
| UPDATE Customers  SET ContactName = 'Alfred Schmidt', City= 'Frankfurt'  WHERE CustomerID = 1; |

The selection from the "Customers" table will now look like this:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **CustomerID** | **CustomerName** | **ContactName** | **Address** | **City** | **PostalCode** | **Country** |
| 1 | Alfreds Futterkiste | Alfred Schmidt | Obere Str. 57 | Frankfurt | 12209 | Germany |
| 2 | Ana Trujillo Emparedados y helados | Ana Trujillo | Avda. de la Constitución 2222 | México D.F. | 05021 | Mexico |
| 3 | Antonio Moreno Taquería | Antonio Moreno | Mataderos 2312 | México D.F. | 05023 | Mexico |
| 4 | Around the Horn | Thomas Hardy | 120 Hanover Sq. | London | WA1 1DP | UK |
| 5 | Berglunds snabbköp | Christina Berglund | Berguvsvägen 8 | Luleå | S-958 22 | Sweden |

**UPDATE Multiple Records:**

1. It is the WHERE clause that determines how many records will be updated.
2. The following SQL statement will update the ContactName to "Juan" for all records where country is "Mexico":

|  |
| --- |
| UPDATE Customers  SET ContactName='Juan'  WHERE Country='Mexico'; |

The selection from the "Customers" table will now look like this:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **CustomerID** | **CustomerName** | **ContactName** | **Address** | **City** | **PostalCode** | **Country** |
| 1 | Alfreds Futterkiste | Alfred Schmidt | Obere Str. 57 | Frankfurt | 12209 | Germany |
| 2 | Ana Trujillo Emparedados y helados | Juan | Avda. de la Constitución 2222 | México D.F. | 05021 | Mexico |
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**Update Whole Table:**

|  |
| --- |
| UPDATE Customers  SET ContactName='Juan'; |

The selection from the "Customers" table will now look like this:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **CustomerID** | **CustomerName** | **ContactName** | **Address** | **City** | **PostalCode** | **Country** |
| 1 | Alfreds Futterkiste | Juan | Obere Str. 57 | Frankfurt | 12209 | Germany |
| 2 | Ana Trujillo Emparedados y helados | Juan | Avda. de la Constitución 2222 | México D.F. | 05021 | Mexico |
| 3 | Antonio Moreno Taquería | Juan | Mataderos 2312 | México D.F. | 05023 | Mexico |
| 4 | Around the Horn | Juan | 120 Hanover Sq. | London | WA1 1DP | UK |
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