# Example 04 - Update by Example

This example shows how to update rows on tables using the out-of-the-box Update by Example functionality. This functionality is available on all database tables even if they don't have a PK.

## How to Run this example

The **Example 04** is included in the download package. To run this example please refer to the section How to Run the Examples above.

## Case #1: Filtering by a single column

To update using a single column you must instantiate a new DAO to use as the example and set the desired value on the property you want to filter by. Leave the rest of the properties untouched. Instantiate a second DAO to set the new values you want to update.

This is demonstrated using the table VEHICLE.

## Case #2: Filtering by and updating multiple columns

To update filtering by multiple columns you must instantiate a new DAO to use as the example and set the desired values on the properties you want to filter by. An AND logic condition is used to filter by all the columns. Leave the rest of the properties untouched. Instantiate a second DAO to set the new values you want to update.

This is demonstrated using the table VEHICLE.

## Case #3: Using null values to filter and/or update

To update filtering using null values you must explicitly set the null value into the properties(s) you want to filter by. An AND logic condition is used to filter by all the columns. Leave the rest of the properties untouched.

Instantiate a second DAO to set the new values you want to update, including the null values to be set.

This is demonstrated using the table VEHICLE.

## Case #4: Update all rows

To update all rows of the table just don't set any property of the DAO used as the example.

This is demonstrated using the table VEHICLE.