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| Tp4 PMH | |
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##### Task 1:

Using the lab tutorials implement the CRUD operations:

So, to review the SQLITE tutorials we must first add all the dependencies:

To work with SQLite databases, import the SQL lite and path packages.  
 The sqlite package provides classes and functions for interacting with SQLite databases.  
  Also, we need to import the package in the file you work with.

Define the Dog the data model

Open the database:

In order to read from or write to the database, it is necessary to establish a connection to it first.

Create the dogs table:

Retrieve the lists of dogs:

To retrieve the list of dogs, we must perform the following two steps:

Execute a query against the dogs table, which will return a List<Map> containing the requested data.

Convert the List<Map> into a List<Dog> for easy manipulation and access to the data.

##### Task 2:

**Create a Flutter APP to implement the CRUD operations through an interface**

To run this app, we must first follow these steps:

Add the required dependencies to the pubspec.yaml file.

The sqlite package must be added, as it allows for interaction with SQLite databases in Flutter. The path\_provider package must also be included to access the directory where the database file will be stored.

##### Task 3:

Create an authentication App:

This app was developed by using multiple functions learnt during our course.

Using multiple widgets and test box and styling the UI was built.

To create a database, we used Firebase Console.

Screenshots:

