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**Lab8**

### **Database Structure Sql vs NoSql**

A SQL Database follows a table like structure which can have an unlimited number of rows and every data present inside the database is properly structured with Predefined Schemas, it is basically used to manipulate Relational Databases Management Systems.

A NoSQL Database is a Distributed Database where the data is very unstructured with Dynamic Schema. Unlike SQL it cannot have unlimited rows, but it follows a Standard Schema Definition and can store all sorts of data models with large distributed data in the form of key-value pairs, graph databases, documents or wide-column stores.

If the question was relational vs non-relational database the answer would have been a little different, for small apps I prefer non-relational databases.

### **What is Firebase?**

Firebase is a cloud service designed to power real-time, collaborative applications. Simply add the Firebase library to your application to gain access to a shared data structure; any changes you make to that data are automatically synchronized with the Firebase cloud and with other clients within milliseconds.

### **What is SQLite?**

SQLite is an embedded SQL database engine. Unlike most other SQL databases, SQLite does not have a separate server process. SQLite reads and writes directly to ordinary disk files. A complete SQL database with multiple tables, indices, triggers, and views, is contained in a single disk file.