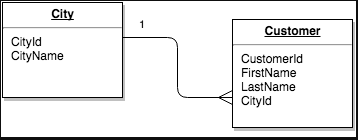
In this thread I want to discuss RDBMS (MySQL). I will describe and define what RDBMS are. I want to discuss primary leys and what they are. I will discuss how primary keys are generated. I would also like to discuss foreign keys. I will also define MySQL. As well, I will identify one feature of MySQL and describe what it is and how it is used. So, what is a RDBMS?

“A relational [database](https://www.techtarget.com/searchdatamanagement/definition/database) management system (RDBMS) is a collection of programs and capabilities that enable IT teams and others to create, update, administer and otherwise interact with a [relational database](https://www.techtarget.com/searchdatamanagement/definition/relational-database).” (Brush, 2019) “A relational database stores and provides access to data points that are related to one another. In relational databases, data is arranged and stored in tables consisting of columns and rows. Each row in a table is a record with a unique ID, which is called the primary key. The columns of a table contain attributes of the data. Since each record typically has a value for each attribute, it becomes easy to form flexible relationships between data points.” (What Is RDBMS? Definition and Examples, n.d.) Primary keys can generated in 3 methods and they are automatic database generation, GUID, as well as development and creation. A foreign key is a field that is linked to another [table](https://database.guide/what-is-a-table/)‘s [primary key](https://database.guide/what-is-a-primary-key/) field in a relationship between two tables. Consider the following graph below to see a foreign key which is CityID:



(What Is a Foreign Key?, 2016)

“A relational database management system based on structured query language (SQL) for the purpose of a web database is called MySQL. It is used in several applications such as data cleaning, data warehousing, e-commerce, logging applications and an online portal.” (Pedamkar, 2022) One feature of MySQL is stored procedure. “A stored procedure is that piece of code that programmers use repeatedly, so MySQL facilitates its user to store their SQL query to promote code reusability and reduce programmers’ overhead. So, if a user has SQL queries that he writes repeatedly, he can just save those queries as a stored procedure, and then call it to execute that set of queries.” (Top MySQL Features, 2022).

In this thread many things have been brought to our attention about RDBMS. We have discussed and defined primary and foreign keys and what their uses are. We have defined MySQL and looked at one of the many features that are within MySQL. Relational databases are at the core of what we need to learn as web developers.

References:

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