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CRUD Methods Paper

createTable Method

Arguments: name, array of columns (array includes things such as names of tuples, data types, and default values)

Description: The createTable Method creates a table for the given schema with a name and an array of details which will become the tuples of the table.

SQL Equivalent: insert

createTuple Method

Arguments: names, data types, primary key, not/null, and auto increment

Description: This method creates an array that will then be used later to populate the new table.

SQL Equivalent: insert

readTable Method

Arguments: table name, array of columns

Description: This method will be able to pull the information stored in tables through the given schema

SQL Equivalent: select

readTupleMethod

Arguments: table name, array of columns

Description: This method will be able to pull any information in a given tuple.

SQL Equivalent: select

writeTable Method

Arguments: table name, array of columns, readTable

Description: This method will be used to display any information that the readTable method returns.

writeTuple Method

Arguments: table name, array of columns, readTuple

Description: This method will be used to display any information that the readTuple method returns.

updateTable Methods:

Arguments: name, array of columns, updateTable

Description: To edit the table, this method would need to be aware of what table it is and what the change is.

SQL Equivalent: update

updateTuple Methods:

Arguments: name, array of columns

Description: To edit the tuples, this method would need to be aware of what table it is and what the change is. While updating a tuple, it would also be updating a table.

SQL Equivalent: update

deleteTable Method

Arguments: name, array of columns

Description: This method will be able to delete any unwanted tables and its information.

SQL: delete

deleteTuple Method

Arguments: name, array of columns

Description: This method will be able to delete any unwanted tuples and its information.

SQL: delete