**TABLE CREATION**

// A simplified table creation routine. It expects the column definitions to be supplied

// as a column\_name, datatype key value pair.

void CreateTable(

String table\_name,

Dictionary<string, string> column\_definitions,

out bool result, out string command\_executed)

**SELECT**

// Given the select statement, return a data table

DataTable GetDataTableFromSelect(

string query,

out bool result, out string command\_executed)

// Return a single object from the select statement

Object GetObjectFromSelect(

string query,

out bool result, out string command\_executed)

// Return a single string from the select statement

string GetStringFromSelect(

string query,

out bool result, out string command\_executed)

// Return a single integer from the select statement

int GetIntFromSelect(

string query,

out bool result, out string command\_executed)

**QUERY EXECUTION**

// Execute a query, returning number of rows updated (e.g., insert, update)

int ExecuteNonQuery(

string query,

out bool result)

// Execute a set of queries wrapped in a begin / end statement for high efficiency

// Return the number of rows updated (e.g., insert, update)

int ExecuteNonQueryWrappedInBeginEnd(

List<string> queries,

out bool result)

// Execute a set of queries wrapped in a begin / end statement for high efficiency

// Return the number of rows updated (e.g., insert, update)

int ExecuteNonQueryWrappedInBeginEnd(

List<string> queries,

out bool result)

**INSERTION**

// Insert a single row into the database.

void Insert(

String table\_name,

Dictionary<String, String> data,

out bool result, out string command\_executed)

// Efficiently insert any number of rows into the database in one operation.

void InsertMultiplesBeginEnd(

String table\_name,

List <Dictionary<String, String>> insertion\_statements,

out bool result, out string command\_executed)

// Efficiently insert 1 to 500 rows into the database in one operation.

VOID InsertMultiples(

String tableName,

List <String> columnsList,

List<List<String>> valuesList,

out bool result, out string command\_executed)

**UPDATES**

// Update specific rows in the DB as specified in the where clause.

UpdateWhere (

String table\_name,

Dictionary<String, Object> columnname\_value\_list,

String where,

out bool result, out string command\_executed)

void UpdateMultipleRows(

String table\_name,

List<Tuple<string, int, string>> tuple\_list,

out bool result, out string command\_executed)

**COUNTS**

int GetCountFromSelect(

string query,

out bool result, out string command\_executed)

**DELETION**

// Delete the rows from the table as specified in the where clause

void DeleteFromTable(

String table\_name,

String where,   
out bool result, out string command\_executed)

// Delete all rows from the table

void DeleteAllFromTable(

String table\_name,

out bool result, out string command\_executed)

// Delete all rows from all tables

public void DeleteAllFromAllTables(

out bool result, out string command\_executed)

void UpdateMultipleRows(String table\_name, List<Tuple<string, int, string>> tuple\_list, out bool result, out string command\_executed)