This document contains some examples of the commands.

All the commands are case insensitive.

1. CREATE
   Syntax: CREATE TABLE <table_name> (<column_name> <data_type> <not_null> <unique>);

```
C:\Users\nihar\OneDrive\Desktop\Team_Dubai\src>java DavisBase
-------------------------------------------------------------------------------
Welcome to DavisBase
DavisBase Version v1.0
* HexDump (c)2018 Chris Irwin Davis

Type "help;" to display supported commands.
-------------------------------------------------------------------------------
DavisBase> create table cities (id int primary key, name text);
Table cities has been created.
Index has been created on the column : id
```

2. INSERT
   Syntax: INSERT INTO <table_name> (<column_list>) VALUES (<values_list>);

```
DavisBase> insert into cities (id, name) values (1, Dallas);
Inserted the record successfully.
DavisBase> insert into cities (id, name) values (2, Dubai);
Inserted the record successfully.
DavisBase> insert into cities (id, name) values (3, Bangalore);
Inserted the record successfully.
```

3. DELETE
   Syntax: DELETE FROM TABLE <table_name> [WHERE <condition>];

```
DavisBase> delete from table cities where id = 2;

Record(s) deleted  from cities
DavisBase> select * from cities;

id              name
---------------------------------------------
1               dallas
3               bangalore
```

4. UPDATE
   Syntax: UPDATE TABLE <table_name> SET <column_name> = <value> [WHERE <condition>];

```
DavisBase> update cities set name = dubai where id = 3;
Record(s) are updated.
DavisBase> select * from cities;

id              name
---------------------------------------------
1               dallas
3               dubai
```

5. CREATE INDEX

    Syntax: CREATE INDEX ON <table_name> (<column_name>);

    ```
    DavisBase> create index on cities (name);
    Index has been created on the column : name
    ```

6. SELECT FROM WHERE

    Syntax: SELECT <column_list> FROM <table_name> [WHERE <condition>];

    ```
    DavisBase> select * from cities where id = 1;

    id            name
    -------------------------------------------
    1             dallas
    ```

7. SHOW TABLES

    Syntax: SHOW TABLES;

    ```
    DavisBase> show tables;

    table_name                  record_count    avg_length    root_page
    -------------------------------------------------------------------------
    davisbase_tables            3               0             0
    davisbase_columns           13              0             2
    cities                      2               0             0
    ```

8. DROP

    Syntax: DROP TABLE <table_name>;

    ```
    DavisBase> drop table cities;

    Record(s) deleted  from davisbase_tables

    Record(s) deleted  from davisbase_columns
    Table cities deleted
    Index doesn't exist
    DavisBase> show tables;

    table_name                  record_count    avg_length    root_page
    -------------------------------------------------------------------------
    davisbase_tables            2               0             0
    davisbase_columns           11              0             2
    ```

9. HELP

   Syntax: HELP;

```
DavisBase> help;
SUPPORTED COMMANDS

All commands below are case insensitive

SHOW TABLES;
        Display the names of all tables.

CREATE TABLE <table_name> (<column_name> <data_type> <not_null> <unique>);
        Creates a table with the given columns.

CREATE INDEX ON <table_name> (<column_name>);
        Creates an index on a column in the table.

DROP TABLE <table_name>;
        Remove table data (i.e. all records) and its schema.

UPDATE TABLE <table_name> SET <column_name> = <value> [WHERE <condition>];
        Modify records data whose optional <condition>
        is <column_name> = <value>.

INSERT INTO <table_name> (<column_list>) VALUES (<values_list>);
        Inserts a new record into the table with the given values for the given columns.

DELETE FROM TABLE <table_name> [WHERE <condition>];
        Delete one or more table records whose optional <condition>
        is <column_name> = <value>.

SELECT <column_list> FROM <table_name> [WHERE <condition>];
        Display table records whose optional <condition>
        is <column_name> = <value>.

VERSION;
        Display the program version.

HELP;
        Display this help information.

EXIT;
        Exit the program.
```

10. EXIT

    Syntax: EXIT;

```
DavisBase> EXIT;


C:\Users\nihar\OneDrive\Desktop\Team_Dubai\src>
```