

PROGRAMMING PROJECT-2: Davis Base

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Start prompt

```
*****
Welcome to DavisBase Version 1.0
Type "help;" to view all the commands supported by DavisBase
*****
davisql> █
```

SUPPORTED COMMANDS:

i. SHOW TABLES:

Displays all table names in the Database.

```
davisql> show tables;

table_name      |
.....
davisbase_tables |
davisbase_columns |
student         |
chaitu          |
```

ii. CREATE TABLE <table_name> (<column_name> <data_type> <not_null>);

Creates a table with the given column_names.

Eg. create table student (id int, name text, class text);

```
davisql> create table marks(id int,marks int,name text);
Table marks created successfully.
davisql> █
```

iii. INSERT INTO <table_name> VALUES (<values_list>);

Inserts a new row into the table.

Eg. insert into student values (1,chaitu,sec_a);

insert into student values (2,vijay,sec_b);

```
davisql> insert into student values (10,chaitu,21);  
insertion successfull  
davisql> |
```

- iv. **SELECT <column_list|*> FROM <table_name> [WHERE <column_name> = <value>];**

Display table rows.

Eg. select * from student;

```
davisql> select * from student;
```

id	name	age
1	chaitu	21
10	chaitu	21
12	chaitu	21
13	chaitu	21

select * from student where id=10;

```
davisql> select * from student where id=10;
```

id	name	age
10	chaitu	21

select name from student where id=12;

```
davisql> select name from student where id=10;
```

name
chaitu

v. **DROP TABLE <table_name>;**

Removes table from Database.

Eg. drop table chaitu;

```
davisql> drop table chaitu;
Table chaitu is dropped successfully.

davisql>
```

vi. **VERSION;**

Display the Database version.

```
davisql> version;  
  
DavisBase Version 1.0
```

vii. HELP;

Display help guide for Database.

```
davisql> help;  
  
List of all DavisBase commands:  
  (a)SHOW TABLES;           Displays a list of all tables in DavisBase  
  (b)CREATE TABLE <table_name>; Creates a new table schema, i.e. a new empty table  
  (c)DROP TABLE <table_name>; Remove a table schema, and all of its contained data  
  
  (a)INSERT INTO table_name [column_list] VALUES value_list; Inserts a single record into a table  
  
  (a)SELECT * FROM <table_name>; Display all records in the table  
  (b)SELECT * FROM <table_name> WHERE rowid = <value>; Display records satisfying a particular condition  
  
Version;           version of database  
  
EXIT;             Exit the program  
  
HELP;            Show this help information
```

viii. EXIT;

Exit Database

```
davisql> exit;  
  
Exiting from DavisBase  
  
C:\Users\chait\Desktop\davis base>
```