

XML DBMS

User Guide and Queries



First Name	Last Name	Address	City	Age
Hickey	Mouse	123 Fantasy Way	Anaheim	73
Bat	Man	321 Cavern Ave	Gotham	54
Wonder	Woman	987 Truth Way	Paradise	39
Donald	Duck	555 Quack Street	Mallard	65
Bugs	Bunny	567 Carrot Street	Rascal	58
Wiley	Coyote	999 Acme Way	Canyon	61
Cat	Woman	234 Purrfect Street	Hairball	32
Tweety	Bird	543	Itobitaw	28

PersonID	Address	Address	City	City	Firstname	Firstname	Last
1	1940 East Street	1940 East Street	Palo Alto City	Palo Alto City	Lorella	Lorella	Boy
2	154 Baby Walk	154 Baby Walk	Excelsior	Excelsior	Emory	Emory	BB
3	852 Tennessee Avenue	852 Tennessee Avenue	Embarcadero	Embarcadero	Harold	Harold	MS
4	750 Fourth Lane	750 Fourth Lane	Tomball	Tomball	Chad	Chad	Har
5	1075 Beach Way	1075 Beach Way	Cow Hollow	Cow Hollow	Sandra	Sandra	San
6	755 North Lane	755 North Lane	North Beach	North Beach	Kathleen	Kathleen	Pho
7	910 Eighth Walk	722 Arroyo Lane	Mariposa Park	Columbus	Patricia	Patricia	Nea
8	247 Fifth Place	247 Fifth Place	Whisper Audubon	Whisper Audubon	Emily	Emily	Chr
9	843 States Street	843 States Street	Hick Valley	Hick Valley	Vernon	Vernon	Carl
10	740 Washington Street	740 Washington Street	Cink Center	Cink Center	William	William	Geo
11	980 Tennessee Place	980 Tennessee Place	Frytowners Wharf	Frytowners Wharf	Charles	Charles	Law
12	14 Oriental Place	14 Oriental Place	Burns Villa	Burns Villa	Margaret	Margaret	Col
13	680 Lower Avenue	680 Lower Avenue	Dawson Heights	Dawson Heights	Kathleen	Kathleen	Don
14	696 Third Street	696 Third Street	Cink Center	Cink Center	Betha	Betha	Por
15	229 Verdugo Place	229 Verdugo Place	Ocean View	Ocean View	Rin	Rin	One
16	1010 Marlin Gardens Place	1010 Marlin Gardens Place	Palmers Hill	Palmers Hill	Steve	Steve	Can

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• User Guide:

- The user should first select the required database through the “USE” command.
- The user should choose this required database from the Databases_ folder which is created on his drive on running the program.
- New database folder is automatically created in the Databases_ folder on using the “CREATE DATABASE” command.
- Naming is important!
A database or a table name cannot start with a number or a special character except ‘_’.
- Datatypes are only “varchar” and “int”.
- The columns size is supposed to be constant, so the user is not required to enter a size.
- On creating a table, an XML and a DTD files are automatically created in the database source folder with the name of the table.
- A user can mess up his XML file, but on reading it again it won’t match the DTD file, so the table won’t load!

Queries used:

Use: This query sets the database that the user wants to access.

```
>> USE DATABASE databaseName;
```

Create database: This query creates a new database.

```
>> CREATE DATABASE databaseName;
```

Drop database: This query deletes the database chosen.

```
>> DROP DATABASE databaseName;
```

Create table: This query creates a table in the used database.

```
>> CREATE TABLE tableName  
(columnName1 data_type,  
columnName2 data_type,  
columnName3 data_type  
);
```

Insert into table: This query inserts some values in the chosen table.

```
>> INSERT INTO tableName  
VALUES (value1,value2,value3,...);  
  
>> INSERT INTO tableName  
(column1,column2,column3,...)  
VALUES (value1,value2,value3,...);
```

Select from table: This query selects some values from the chosen table.

```
>> SELECT columnName,columnName  
FROM tableName;  
  
>> SELECT * FROM tableName;
```

Delete from table: This query deletes a row from the chosen table.

```
>> DELETE FROM tableName  
WHERE columnName = someValue;
```

Update table: This query updates some values in the chosen table.

```
>> UPDATE tableName  
SET column1=value1,column2=value2,...  
  
WHERE some_column=some_value;
```

Drop table: This query deletes the table chosen.

```
>> DROP TABLE tableName;
```