

Contacts Application: SQLite

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Refer *SQLitePracticePreRequisite.pdf* present at the root of repository before starting.

```
-- Step-1
-- Create the table, SQL commands are case insensitive
CREATE TABLE IF NOT EXISTS CONTACT (NAME TEXT NOT NULL PRIMARY
KEY, PHONE TEXT NOT NULL, EMAIL TEXT);
```

```
-- Step-2
--View All Data in the Table
SELECT * FROM CONTACT;
```

```
-- Step-3
-- Add new contact data to the table. Run Both Insert Query Twice
INSERT INTO CONTACT VALUES ("Gaurav", "9999999999",
"tuteur.py@gmail.com");
INSERT INTO CONTACT VALUES ("Krishna", "8888888888",
"krishna.cpp@abc.com");
SELECT * FROM CONTACT;
```

| NAME | PHONE | EMAIL |
|---------|------------|---------------------|
| Gaurav | 9999999999 | tuteur.py@gmail.com |
| Krishna | 8888888888 | krishna.cpp@abc.com |

```
-- Step-4
-- Delete a particular row, Data in SQL is case sensitive
DELETE FROM CONTACT WHERE NAME LIKE "Gaurav";
SELECT * FROM CONTACT; -- Check the Data after deletion
```

| NAME | PHONE | EMAIL |
|---------|------------|-----------------------|
| Krishna | 8888888888 | krishna.cpp@gmail.com |

Contacts Application: SQLite

```
-- Step-5
-- Delete all data
DELETE FROM CONTACT;
-- REPEAT: Step-2
```

```
-- Step-6
-- Reinsert data again
-- REPEAT: Step-3
-- REPEAT: Step-2
```

| i | NAME | PHONE | EMAIL |
|---|---------|------------|-----------------------|
| | Gaurav | 9999999999 | trainer.cpp@gmail.com |
| | Krishna | 8888888888 | krishna.cpp@gmail.com |

```
-- Step-7:
-- Update Name, Phone search by name
UPDATE CONTACT SET NAME = "Gaurav Gupta" WHERE name = "Gaurav";
UPDATE CONTACT SET PHONE = "1111111111" WHERE name = "Gaurav";
-- REPEAT: Step-2
UPDATE CONTACT SET PHONE = "1111111111" WHERE name = "Gaurav
Gupta";
-- REPEAT: Step-2
```

| i | NAME | PHONE | EMAIL |
|---|--------------|------------|---------------------|
| | Gaurav Gupta | 9999999999 | tuteur.py@gmail.com |
| | Krishna | 8888888888 | krishna.cpp@abc.com |

| i | NAME | PHONE | EMAIL |
|---|--------------|------------|---------------------|
| | Gaurav Gupta | 9999999999 | tuteur.py@gmail.com |
| | Krishna | 8888888888 | krishna.cpp@abc.com |

| i | NAME | PHONE | EMAIL |
|---|--------------|------------|---------------------|
| | Gaurav Gupta | 1111111111 | tuteur.py@gmail.com |
| | Krishna | 8888888888 | krishna.cpp@abc.com |

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```
-- Step-8:  
-- Update Name, Phone, Email in single query  
UPDATE CONTACT SET NAME = "Krishan Agarwal", PHONE =  
'2222222222', EMAIL = "krishna.aaagarwal@abc.com" WHERE name =  
"Krishna";  
-- REPEAT: Step-2
```

| NAME | PHONE | EMAIL |
|-----------------|------------|---------------------------|
| Gaurav Gupta | 1111111111 | tuteur.py@gmail.com |
| Krishan Agarwal | 2222222222 | krishna.aaagarwal@abc.com |