OctopusDB Using SQL queries

JANUARY 9

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CREATE DATABASE

```
octopusDB [ITI] >CREATE DATABASE myDB
Query Ok.
octopusDB [ITI] >SHOW DATABASES
+--------------+
| Databases    |
+--------------+
| supermarket  |
| Students     |
| newDB        |
| ITI          |
| myDB         |
+--------------+
```

SHOW DATABASES

```
Welcome to the OctopusDB monitor.
octopusDB [(none)] >SHOW DATABASES
+--------------+
| Databases    |
+--------------+
| supermarket  |
| Students     |
| newDB        |
| ITI          |
| myDB         |
+--------------+
```

- DROP DATABASE

```
octopusDB [ITI] >SHOW DATABASES
+-------------+
| Databases   |
+-------------+
| supermarket |
| Students    |
| ITI         |
| myDB        |
+-------------+
octopusDB [ITI] >DROP DATABASE myDB
Query Ok.
octopusDB [ITI] >SHOW DATABASES
+-------------+
| Databases   |
+-------------+
| supermarket |
| Students    |
| ITI         |
+-------------+
```

USE DATABASE

```
octopusDB [(none)] >USE ITI
Database changed.
octopusDB [ITI] >SHOW TABLES
+----------------+
| Tables_in_ITI  |
+----------------+
| Students       |
+----------------+
```

SHOW TABLES

```
octopusDB [ITI] >SHOW TABLES
+--------------+
| Tables_in_ITI |
+--------------+
| Students      |
+--------------+
```

DROP TABLE

```
octopusDB [ITI] >SHOW TABLES
+--------------+
| Tables_in_ITI |
+--------------+
| Students      |
+--------------+
octopusDB [ITI] >DROP TABLE Students
Query Ok.
octopusDB [ITI] >SHOW TABLES
Empty set.
octopusDB [ITI] >
```

SELECT * FROM table

```
octopusDB [ITI] >SELECT * FROM Students
+----+-----------+------------+------------+
| id | name      | address    | phone      |
+----+-----------+------------+------------+
| 2  | atef      | rehab      | 0115566775 |
| 3  | sarah     | nasrCity   | 0112225664 |
| 4  | samar     | heliopolis | 0984875    |
| 5  | sarah     | helwan     | 06774466   |
| 8  | salma     | cairo      | 048955     |
| 13 | Aya Hamed | New Cairo  | 011445433  |
+----+-----------+------------+------------+
```

SELECT columns FROM table

```
octopusDB [ITI] >SELECT id name FROM Students
1 2
+----+-----------+
| id | name      |
+----+-----------+
| 2  | atef      |
| 3  | sarah     |
| 4  | samar     |
| 5  | sarah     |
| 8  | salma     |
| 13 | Aya Hamed |
+----+-----------+
```
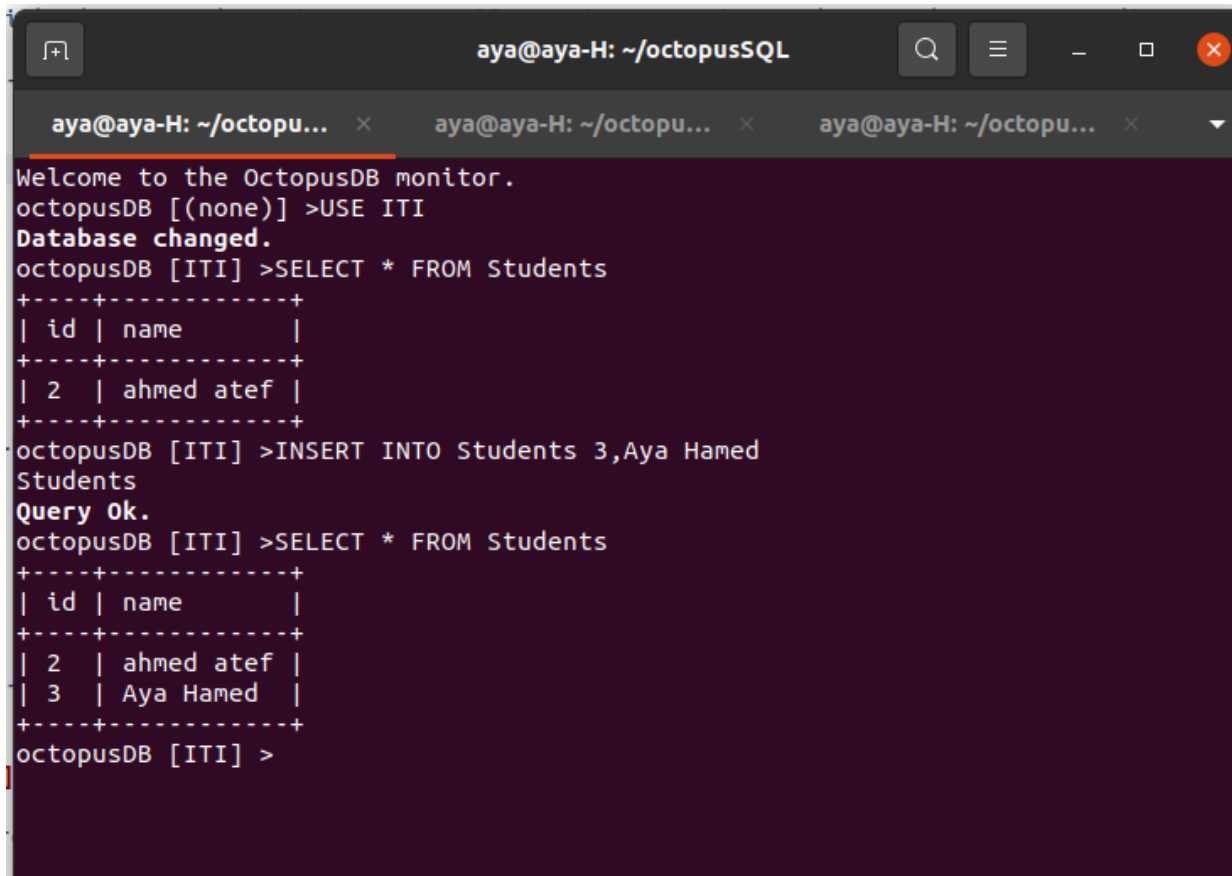
SELECT columns FROM table WHERE condition

```
Welcome to the OctopusDB monitor.
octopusDB [(none)] >USE ITI
Database changed.
octopusDB [ITI] >SELECT id name FROM Students WHERE name=sarah
1 2
+----+-------+
| id | name  |
+----+-------+
| 3  | sarah |
| 5  | sarah |
+----+-------+
```

CREATE NEW TABLE

```
octopusDB [ITI] >CREATE TABLE Students name TEXT,id INT
ERROR: Table 'Students' already exists.
octopusDB [ITI] >CREATE TABLE Subjects id INT,name TEXT
Query Ok.
octopusDB [ITI] >SHOW TABLES
+--------------+
| Tables_in_ITI |
+--------------+
| Students     |
| Subjects     |
+--------------+
```

INSERT INTO table SET values


```
Welcome to the OctopusDB monitor.
octopusDB [(none)] >USE ITI
Database changed.
octopusDB [ITI] >SELECT * FROM Students
+----+------------+
| id | name       |
+----+------------+
| 2  | ahmed atef |
+----+------------+
octopusDB [ITI] >INSERT INTO Students 3,Aya Hamed
Students
Query Ok.
octopusDB [ITI] >SELECT * FROM Students
+----+------------+
| id | name       |
+----+------------+
| 2  | ahmed atef |
| 3  | Aya Hamed  |
+----+------------+
octopusDB [ITI] >
```

UPDATE table SET values WHERE conditions


```
aya@aya-H: ~/octopusSQL

aya@aya-H: ~/octopu...    ×    aya@aya-H: ~/octopu...    ×    aya@aya-H: ~/octopu...    ×

Welcome to the OctopusDB monitor.
octopusDB [(none)] >USE supermarket
Database changed.
octopusDB [supermarket] >SELECT * FROM items
+----+--------------+-------+----------+
| id | item         | price | quantity |
+----+--------------+-------+----------+
| 2  | cheese bites | 4     | 15       |
| 3  | milk         | 77    | 30       |
| 5  | white bread  | 3     | 50       |
| 6  | brown bread  | 3     | 60       |
+----+--------------+-------+----------+
octopusDB [supermarket] >UPDATE items SET quantity=100 WHERE price=3,id=5
Query Ok.
octopusDB [supermarket] >SELECT * FROM items
+----+--------------+-------+----------+
| id | item         | price | quantity |
+----+--------------+-------+----------+
| 2  | cheese bites | 4     | 15       |
| 3  | milk         | 77    | 30       |
| 5  | white bread  | 3     | 100      |
| 6  | brown bread  | 3     | 60       |
+----+--------------+-------+----------+
```

UPDATE ALL RECORDS
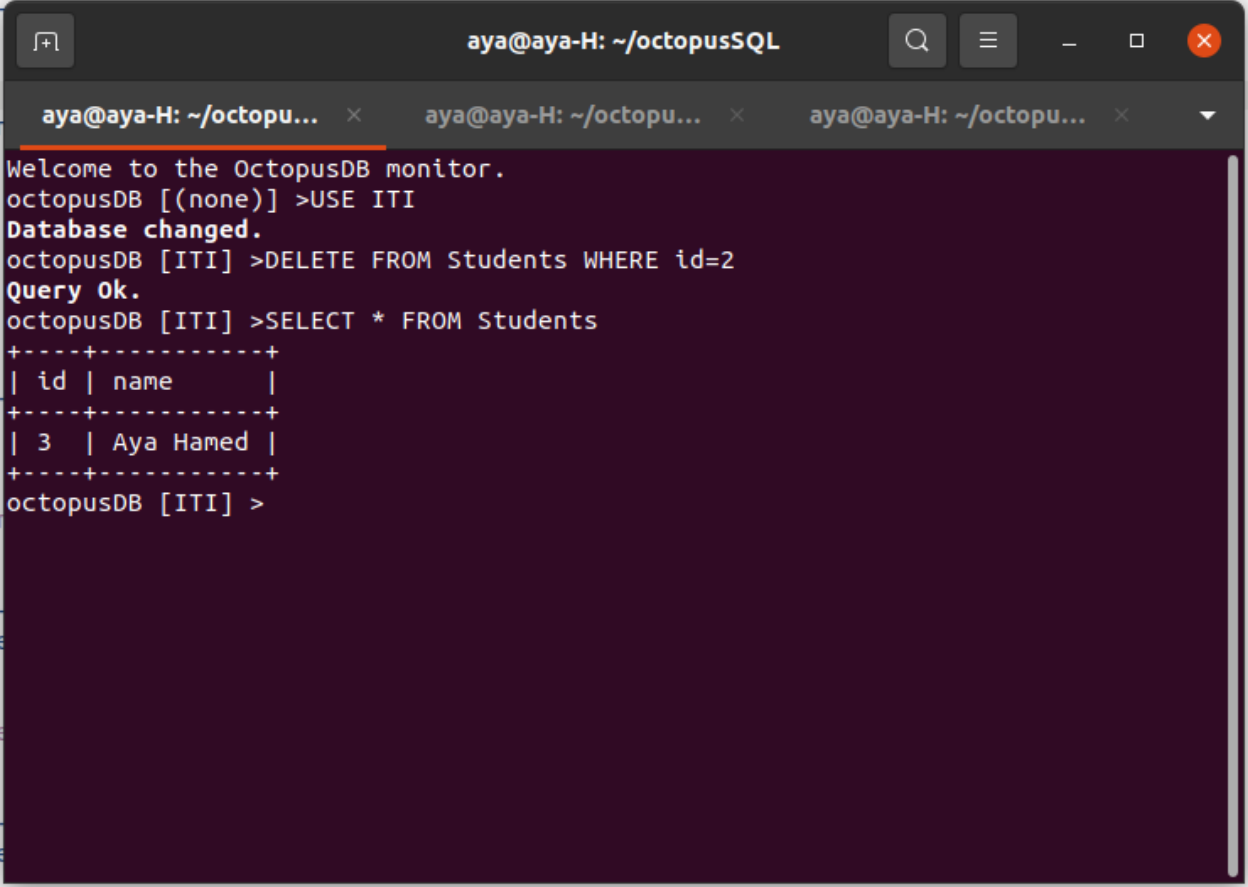


```
dropDB.sh    dropTable.    insertRecor    listDB.sh    listTables.    octopusSQ    openDB.sh    printTable.    select
                                                                                                                d.
```

```
aya@aya-H: ~/octopusSQL

aya@aya-H: ~...  ×      aya@aya-H: ~...  ×      aya@aya-H: ~...  ×      aya@aya-H: ~...  ×

Welcome to the OctopusDB monitor.
octopusDB [(none)] >USE supermarket
Database changed.
octopusDB [supermarket] >SELECT * FROM items
+----+--------------+-------+----------+
| id | item         | price | quantity |
+----+--------------+-------+----------+
| 2  | cheese bites | 77    | 15       |
| 3  | milk         | 77    | 30       |
| 5  | white bread  | 77    | 66       |
| 6  | brown bread  | 77    | 66       |
+----+--------------+-------+----------+
octopusDB [supermarket] >UPDATE items SET price=100
Query Ok.
octopusDB [supermarket] >SELECT * FROM items
+----+--------------+-------+----------+
| id | item         | price | quantity |
+----+--------------+-------+----------+
| 2  | cheese bites | 100   | 15       |
| 3  | milk         | 100   | 30       |
| 5  | white bread  | 100   | 66       |
| 6  | brown bread  | 100   | 66       |
+----+--------------+-------+----------+
octopusDB [supermarket] >
```
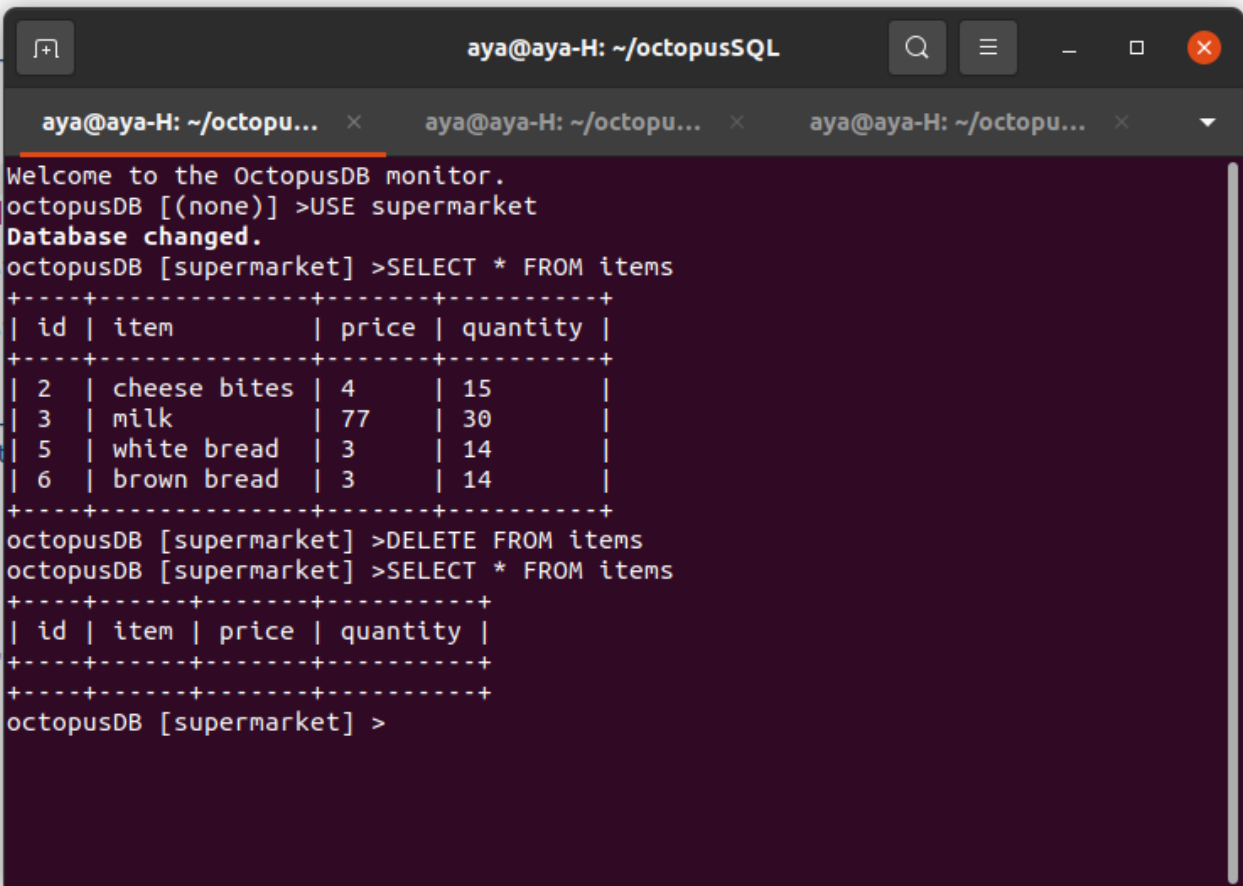
"updateAllRecord.sh" selected (4

DELETE FROM table WHERE conditions

DELETE ALL RECORDS


```
Welcome to the OctopusDB monitor.
octopusDB [(none)] >USE supermarket
Database changed.
octopusDB [supermarket] >SELECT * FROM items
+----+--------------+-------+----------+
| id | item         | price | quantity |
+----+--------------+-------+----------+
| 2  | cheese bites | 4     | 15       |
| 3  | milk         | 77    | 30       |
| 5  | white bread  | 3     | 14       |
| 6  | brown bread  | 3     | 14       |
+----+--------------+-------+----------+
octopusDB [supermarket] >DELETE FROM items
octopusDB [supermarket] >SELECT * FROM items
+----+------+-------+----------+
| id | item | price | quantity |
+----+------+-------+----------+
+----+------+-------+----------+
octopusDB [supermarket] >
```