ADDRESS BOOK SERVICE

// Ability to create Address Book Service DB

mysql> create database AddressBookService;

Query OK, 1 row affected (0.06 sec)

mysql> create table AddressBook(

-> firstName varchar(30),

-> lastName varchar(30),

-> address varchar(30),

-> city varchar(30),

-> state varchar(30),

-> phoneNumber varchar(15),

-> );

Query OK, 0 rows affected (0.45 sec)

// Ability to insert new Contacts to Address

mysql> insert into AddressBook values('Lavanya','Bhaskaran,'Mg road','Chennai','Tamil Nadu','9951987542'),('Aravinth','A','VKR Raod','Vriddachalam','Tamil Nadu','7894561230'),('Jerome','J','GA Road','Chennai','TN', '9874561230');

Query OK, 3 rows affected (0.07 sec)

Records: 3 Duplicates: 0 Warnings: 0

mysql> select \* from AddressBook;

+-----------+-----------+----------------------+-----------+-------------+---------+-------------+--------------------+

| firstName | lastName | address | city | state | zipCode | phoneNumber | emailID |

+-----------+-----------+----------------------+-----------+-------------+---------+-------------+--------------------+

| Lavanya | Bhaskaran | Shantinagar | Chennai | Tamil Nadu | 475456 | 8974561230 |

| Aravinth | A | 25-32/1 Kantinagar | Noida | UP | 412451 | 7894561230

| Jerome | Ani | 16-11/16 Gandhinagar | Ahmedabad | Gujarat | 654123 | 9874561230 |

+-----------+-----------+----------------------+-----------+-------------+---------+-------------+--------------------+

3 rows in set (0.00 sec)

//Ability to edit existing contact person using their name

mysql> update AddressBook set city = 'Mumbai', state = Maharastra where firstName = 'Lavanya';

Query OK, 1 row affected (0.07 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> select \* from AddressBook;

+-----------+-----------+----------------------+-----------+-------------+---------+-------------+--------------------+

| firstName | lastName | address | city | state | zipCode | phoneNumber | emailID |

+-----------+-----------+----------------------+-----------+-------------+---------+-------------+--------------------+

| Lavanya | Bhaskaran | Shantinagar | Mumbai | Maharastra | 475456 | 998756532467 |

+-----------+-----------+----------------------+-----------+-------------+---------+-------------+--------------------+

4 rows in set (0.00 sec)

// Ability to delete a person using person's name

mysql> delete from AddressBook where firstName = 'Nilesh';

Query OK, 1 row affected (0.07 sec)

mysql> select \* from AddressBook;

+-----------+----------+----------------------+-----------+-------------+---------+-------------+--------------------+

| firstName | lastName | address | city | state | zipCode | phoneNumber | emailID |

+-----------+----------+----------------------+-----------+-------------+---------+-------------+--------------------+

| Lavanya | Bhaskaran | Shantinagar | Mumbai | Maharastra | 475456 | 998756532467 |

+-----------+----------+----------------------+-----------+-------------+---------+-------------+--------------------+

3 rows in set (0.00 sec)

// Ability to Retrieve Person belonging to a City or State from the Address Book

mysql> select \* from AddressBook where city = 'Chennai' or state = 'Tamil Nadu';

+-----------+----------+----------------------+-----------+-------------+---------+-------------+--------------------+

| firstName | lastName | address | city | state | zipCode | phoneNumber | emailID |

+-----------+----------+----------------------+-----------+-------------+---------+-------------+--------------------+

| Lavanya | Bhaskaran | Shantinagar | Mumbai | Maharastra | 475456 | 998756532467 |

| Jerome | Ani | 25-32/1 Kantinagar | Ranchi | Jharkhand | 7894561230 |

+-----------+----------+----------------------+-----------+-------------+---------+-------------+--------------------+

2 rows in set (0.00 sec)

mysql> select \* from AddressBook where city = 'Kalamboli' and state = 'Maharashtra';

+-----------+----------+----------------------+-----------+-------------+---------+-------------+-------------------+

| firstName | lastName | address | city | state | zipCode | phoneNumber | emailID |

+-----------+----------+----------------------+-----------+-------------+---------+-------------+-------------------+

| Lavanya | Bhaskaran | Shantinagar | Mumbai | Maharastra | 475456 | 998756532467 |

+-----------+----------+----------------------+-----------+-------------+---------+-------------+-------------------+

1 row in set (0.00 sec)

// Ability to understand the size of address book by City and State

mysql> select count(firstName) from AddressBook;

+------------------+

| count(firstName) |

+------------------+

| 3 |

+------------------+

1 row in set (0.09 sec)

**Address Book**