UC 1 - Use SQL Client to create DB and DB records

create database addressbook;

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

| Database |

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

| addressbook |

| information\_schema |

| mysql |

| performance\_schema |

| sys |

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

UC2 - Ability to create a Address Book Table with first and last names, address, city, state, zip, phone number and email as its attributes

CREATE TABLE addressbook(

-> firstName VARCHAR(100) NOT NULL,

-> lastName VARCHAR(100) NOT NULL,

-> address VARCHAR(100) NOT NULL,

-> city VARCHAR(100) NOT NULL,

-> state VARCHAR(100) NOT NULL,

-> email VARCHAR(100) NOT NULL,

-> zip INT(12) NOT NULL,

-> phone INT(12) NOT NULL

-> );

DESCRIBE addressbook;

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

| Field | Type | Null | Key | Default | Extra |

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

| firstName | varchar(100) | NO | | NULL | |

| lastName | varchar(100) | NO | | NULL | |

| address | varchar(100) | NO | | NULL | |

| city | varchar(100) | NO | | NULL | |

| state | varchar(100) | NO | | NULL | |

| email | varchar(100) | NO | | NULL | |

| zip | int | NO | | NULL | |

| phone | int | NO | | NULL | |

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

UC 3 - Ability to insert new Contacts to Address Book

INSERT INTO addressbook VALUE("mayura","kolhe","sarasvatinagar","jalgoan","maharashra","aba@cba.aaa",1234,1111111111);

SELECT \* FROM addressbook;

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

| firstName | lastName | address | city | state | email | zip | phone |

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

| mayura | kolhe | sarasvatinagar | jalgoan | maharashra | aba@cba.aaa | 1234 | 1111111111 |

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

1 row in set (0.03 sec)

UC 4 - Ability to edit existing contact person using their name

UPDATE addressbook

-> SET

-> address = "sarasvaatinagar"

-> WHERE

-> firstName = "mayura";

Query OK, 1 row affected (0.27 sec)

UC 5 - Ability to delete a person using person's name

DELETE from addressbook WHERE firstName = "mayura";

UC 6 - Ability to Retrieve Person belonging to a City or State from the Address Book

SELECT \* from addressbook

-> WHERE state = "maharashra" || city = "jalgoan";

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

| firstName | lastName | address | city | state | email | zip | phone |

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

| mayura | kolhe | sarasvaatinagar | jalgoan | maharashra | aba@cba.aaa | 1234 | 1111111111 |

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

1 row in set, 1 warning (0.00 sec)

UC 7 - Ability to understand the size of address book by City and State

select COUNT(\*) from addressbook;

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

| COUNT(\*) |

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

| 1 |

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

1 row in set (0.07 sec)

M M

maintaintain

person

addressbook

email

type

M M

show

1 M