Employee Payroll Problem

UC1:

Query to create database

mysql> create database Address_Book; Query OK, 1 row affected (0.02 sec)

UC2:

Query to create table with attributes

mysql> CREATE TABLE Address_Book

- -> (
- -> firstName VARCHAR(150) NOT NULL,
- -> lastName VARCHAR(150) NOT NULL,
- -> address VARCHAR(150) NOT NULL,
- -> city VARCHAR(150) NOT NULL,
- -> state VARCHAR(150) NOT NULL,
- -> zip INT(6) unsigned NOT NULL,
- -> phoneNumber INT(10) unsigned NOT NULL,
- -> email VARCHAR(150) NOT NULL
- ->);

Query OK, 0 rows affected, 2 warnings (0.09 sec)

UC3:

Query to add details into table

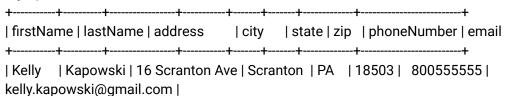
mysql> INSERT INTO Address_Book (firstName, lastName, address, city, state, zip, phoneNumber, email) VALUES

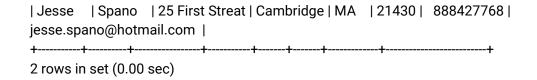
- -> ('Kelly', 'Kapowski', '16 Scranton Ave', 'Scranton', 'PA', 18503, 800555555, 'kelly.kapowski@gmail.com'),
- -> ('Jesse', 'Spano', '25 First Streat', 'Cambridge', 'MA', 21430, 888427768, 'jesse.spano@hotmail.com');

Query OK, 2 rows affected (0.00 sec)

Records: 2 Duplicates: 0 Warnings: 0

mysql> SELECT * FROM Address_Book;





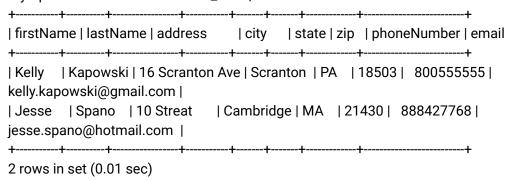
UC4:

Query to edit existing contact details using name

mysql> update Address_Book set address = '10 Streat' where firstName = 'Jesse'; Query OK, 1 row affected (0.01 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysgl> SELECT * FROM Address_Book;

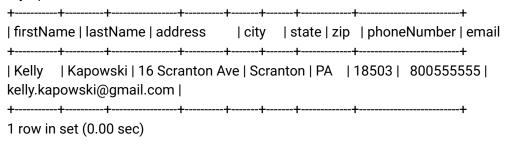


UC5:

Query to delete contact using persons name

mysql> DELETE FROM Address_Book where firstName = 'Jesse'; Query OK, 1 row affected (0.01 sec)

mysql> SELECT * FROM Address_Book;



UC6:

UC7:

Query to understand the size of address book by city or state

```
mysql> SELECT * FROM Address_Book;
| firstName | lastName | address
                         | city | state | zip | phoneNumber | email
| Kelly | Kapowski | 16 Scranton Ave | Scranton | PA | 18503 | 800555555 |
kelly.kapowski@gmail.com |
| Lisa | Turtle | 2164 Garden Brook Dr | Farmers Branch | TX | 68430 | 852427768 |
lisaturle@gmail.com
| Zach | Moris | 25 First Streat | Cambridge | MA | 21430 | 888427768 |
zack.moris@hotmail.com |
| Albert | Slater | 10 First Streat | Cambridge | MA | 21430 | 215842776 | albert@gmail.com
| Samuel | Powers | 10 First Streat | Farmers Branch | TX | 68430 | 215842776 |
samuel.powers@hotmail.com |
mysql> SELECT COUNT(firstName) FROM Address_Book where city = 'Farmers Branch';
+----+
| COUNT(firstName) |
+----+
      2|
+----+
1 row in set (0.00 sec)
mysgl> SELECT COUNT(firstName) FROM Address_Book where state = 'PA';
+----+
| COUNT(firstName) |
+----+
      1 |
·
+----+
1 row in set (0.00 sec)
UC8:
Query to sorted address book by city alphabetically
mysql> SELECT * from Address_Book ORDER BY city ASC;
| firstName | lastName | address | city | state | zip | phoneNumber | email
+-----+
```

```
| Zach | Moris | 25 First Streat
                              | Cambridge | MA | 21430 | 888427768 |
zack.moris@hotmail.com |
| Albert | Slater | 10 First Streat | Cambridge
                                         | MA | 21430 | 215842776 | albert@gmail.com
Lisa | Turtle | 2164 Garden Brook Dr | Farmers Branch | TX | | 68430 | 852427768 |
lisaturle@gmail.com
| Samuel | Powers | 10 First Streat | Farmers Branch | TX | 68430 | 215842776 |
samuel.powers@hotmail.com |
| Kelly | Kapowski | 16 Scranton Ave | Scranton | PA | 18503 | 800555555 |
kelly.kapowski@gmail.com |
5 rows in set (0.00 sec)
UC9:
Query to add type field in the Address_Book Table
mysql> ALTER TABLE Address_Book ADD type VARCHAR(150) AFTER email;
Query OK, 0 rows affected (0.05 sec)
Records: 0 Duplicates: 0 Warnings: 0
mysql> SELECT * FROM Address_Book;
| firstName | lastName | address
                                city
                                         | state | zip | phoneNumber | email
type |
| Kelly | Kapowski | 16 Scranton Ave | Scranton | PA | 18503 | 800555555 |
kelly.kapowski@gmail.com | NULL |
Lisa | Turtle | 2164 Garden Brook Dr | Farmers Branch | TX | | 68430 | 852427768 |
lisaturle@gmail.com | NULL |
| Zach | Moris | 25 First Streat
                              | Cambridge | MA | 21430 | 888427768 |
zack.moris@hotmail.com | NULL |
| Albert | Slater | 10 First Streat | Cambridge | MA | 21430 | 215842776 | albert@gmail.com
NULL
| Samuel | Powers | 10 First Streat | Farmers Branch | TX | 68430 | 215842776 |
samuel.powers@hotmail.com | NULL |
5 rows in set (0.00 sec)
mysql> update Address_Book set type = 'Family' where firstName = 'Kelly' or firstName = 'Zach';
Query OK, 2 rows affected (0.01 sec)
Rows matched: 2 Changed: 2 Warnings: 0
```

mysql> update Address_Book set type = 'Friedns' where firstName = 'Lisa';

Query OK, 1 row affected (0.01 sec)

```
mysgl> update Address_Book set type = 'Profession' where firstName = 'Albert' or firstName =
'Samuel';
Query OK, 2 rows affected (0.01 sec)
Rows matched: 2 Changed: 2 Warnings: 0
mysql> SELECT * FROM Address_Book;
+-----+
| firstName | lastName | address | city | state | zip | phoneNumber | email
type |
+-----+
| Kelly | Kapowski | 16 Scranton Ave | Scranton | PA | 18503 | 800555555 |
kelly.kapowski@gmail.com | Family |
| Lisa | Turtle | 2164 Garden Brook Dr | Farmers Branch | TX | 68430 | 852427768 |
lisaturle@gmail.com
                 | Friedns |
| Zach | Moris | 25 First Streat | Cambridge | MA | 21430 | 888427768 |
zack.moris@hotmail.com | Family |
| Albert | Slater | 10 First Streat | Cambridge | MA | 21430 | 215842776 | albert@gmail.com
| Profession |
| Samuel | Powers | 10 First Streat | Farmers Branch | TX | 68430 | 215842776 |
samuel.powers@hotmail.com | Profession |
+-----+
5 \text{ rows in set } (0.00 \text{ sec})
UC10:
Query to get number of persons count by type
mysql> SELECT COUNT(firstName) FROM Address_Book where type = 'Family';
+----+
| COUNT(firstName) |
+----+
      2|
+----+
1 row in set (0.00 sec)
mysql> SELECT COUNT(firstName) FROM Address_Book where type = 'Friedns';
| COUNT(firstName) |
+----+
      1 |
```

Rows matched: 1 Changed: 1 Warnings: 0

+----+

```
1 row in set (0.00 sec)
```

```
mysql> SELECT COUNT(firstName) FROM Address_Book where type = 'Profession'; +-----+
| COUNT(firstName) | +-----+
| 2 | +------+
1 row in set (0.00 sec)
```

UC11:

Query to add a person to both family and friends

mysql> INSERT INTO Address_Book (firstName, lastName, address, city, state, zip, phoneNumber, email, type) VALUES

-> ('Lisa', 'Turtle', '2164 Garden Brook Dr', 'Farmers Branch', 'TX', 68430, 852427768, 'lisaturle@gmail.com', 'Family'); Query OK, 1 row affected (0.01 sec)

```
mysql> SELECT * FROM Address_Book;
```

