AddressBook System

UC1


```
mysql> CREATE DATABASE Address_Book_Service;
Query OK, 1 row affected (0.24 sec)

mysql> show database;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'database' at
line 1
mysql> show databases;
+--------------------+
| Database           |
+--------------------+
| address_book_service |
| information_schema |
| mysql              |
| payroll_service    |
| performance_schema |
| sakila             |
| sys                |
| world              |
+--------------------+
8 rows in set (0.13 sec)

mysql> USE  Address_Book_Service;
Database changed
mysql>
```
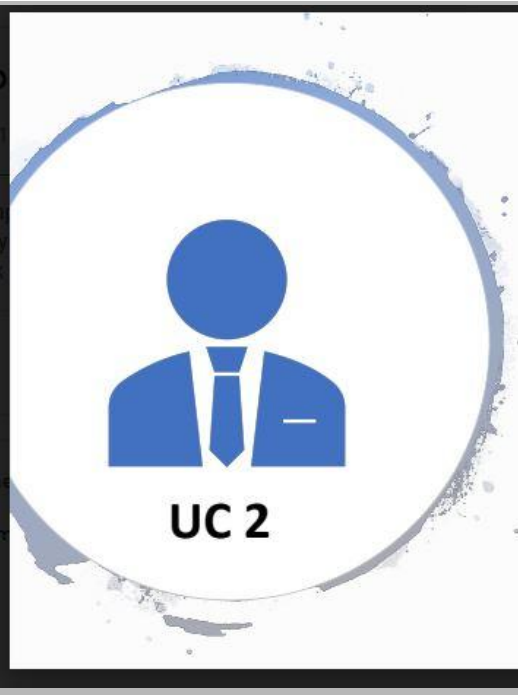
UC2

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

```
mysql> show databases;
+--------------------+
| Database           |
+--------------------+
| address_book_service |
| information_schema |
| mysql              |
| payroll_service    |
| performance_schema |
| sakila             |
| sys                |
| world              |
+--------------------+
8 rows in set (0.13 sec)

mysql> USE  Address_Book_Service;
Database changed
mysql> CREATE TABLE Address_Book_Service;
ERROR 4028 (HY000): A table must have at least one visible column.
mysql> SELECT DATABASE();
+--------------------+
| DATABASE()         |
+--------------------+
| address_book_service |
+--------------------+
1 row in set (0.00 sec)
```

```
mysql> create table Address_Book_Service
    -> (
    -> Name varchar(20),
    -> Lastname varchar(20),
    -> Address varchar(20),
    -> City varchar(20),
    -> State varchar(20),
    -> Zip bigint,
    -> PhoneNumber bigint,
    -> Email varchar(20)
    -> );
Query OK, 0 rows affected (2.28 sec)

mysql> desc Address_Book_Service;
+-------------+-------------+------+-----+---------+-------+
| Field       | Type        | Null | Key | Default | Extra |
+-------------+-------------+------+-----+---------+-------+
| Name        | varchar(20) | YES  |     | NULL    |       |
| Lastname    | varchar(20) | YES  |     | NULL    |       |
| Address     | varchar(20) | YES  |     | NULL    |       |
| City        | varchar(20) | YES  |     | NULL    |       |
| State       | varchar(20) | YES  |     | NULL    |       |
| Zip         | bigint      | YES  |     | NULL    |       |
| PhoneNumber | bigint      | YES  |     | NULL    |       |
| Email       | varchar(20) | YES  |     | NULL    |       |
+-------------+-------------+------+-----+---------+-------+
8 rows in set (0.18 sec)
```
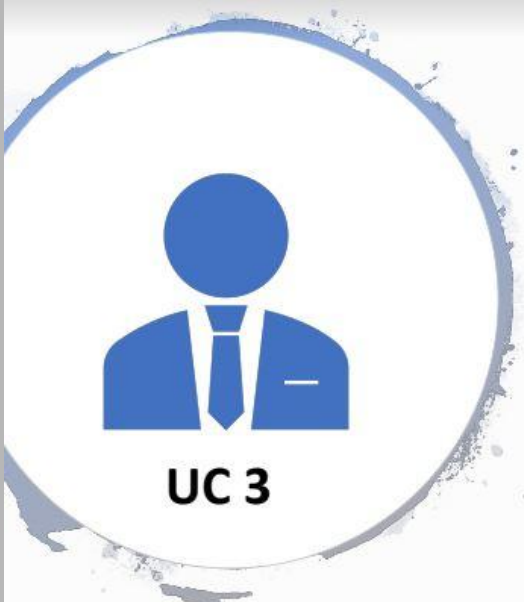
UC3

Continue - UC3

```
mysql> insert into Address_Book_Service values("Sanket","Bramhe","Ashtavinyak Colony","Nagpur","Maharashtra",440034,7083261675,"sanketsubhashbramhe@gmail.com");
ERROR 1406 (22001): Data too long for column 'Email' at row 1
mysql> insert into Address_Book_Service values("Sanket","Bramhe","Ashtavinyak Colony","Nagpur","Maharashtra",440034,7083261675,"27sanket@gmail.com");
Query OK, 1 row affected (0.16 sec)

mysql> insert into Address_Book_Service values("Prajakta","Bramhe","Ashtavinyak Colony","Nagpur","Maharashtra",440034,8149240833,"14Prajakta@gmail.com");
Query OK, 1 row affected (0.21 sec)

mysql> select * from Address_Book_Service;
+----------+----------+--------------------+--------+-------------+--------+-------------+---------------------+
| Name     | Lastname | Address            | City   | State       | Zip    | PhoneNumber | Email               |
+----------+----------+--------------------+--------+-------------+--------+-------------+---------------------+
| Sanket   | Bramhe   | Ashtavinyak Colony | Nagpur | Maharashtra | 440034 | 7083261675  | 27sanket@gmail.com  |
| Prajakta | Bramhe   | Ashtavinyak Colony | Nagpur | Maharashtra | 440034 | 8149240833  | 14Prajakta@gmail.com|
+----------+----------+--------------------+--------+-------------+--------+-------------+---------------------+
2 rows in set (0.00 sec)
```

```
mysql> DESCRIBE address_book_service;
+-------------+-------------+------+-----+---------+-------+
| Field       | Type        | Null | Key | Default | Extra |
+-------------+-------------+------+-----+---------+-------+
| Name        | varchar(20) | YES  |     | NULL    |       |
| Lastname    | varchar(20) | YES  |     | NULL    |       |
| Address     | varchar(20) | YES  |     | NULL    |       |
| City        | varchar(20) | YES  |     | NULL    |       |
| State       | varchar(20) | YES  |     | NULL    |       |
| Zip         | bigint      | YES  |     | NULL    |       |
| PhoneNumber | bigint      | YES  |     | NULL    |       |
| Email       | varchar(20) | YES  |     | NULL    |       |
+-------------+-------------+------+-----+---------+-------+
8 rows in set (0.14 sec)

mysql> select * from address_book_service;
+----------+----------+--------------------+--------+-------------+--------+-------------+---------------------+
| Name     | Lastname | Address            | City   | State       | Zip    | PhoneNumber | Email               |
+----------+----------+--------------------+--------+-------------+--------+-------------+---------------------+
| Sanket   | Bramhe   | Ashtavinyak Colony | Nagpur | Maharashtra | 440034 | 7083261675  | 27sanket@gmail.com  |
| Prajakta | Bramhe   | Ashtavinyak Colony | Nagpur | Maharashtra | 440034 | 8149240833  | 14Prajakta@gmail.com|
+----------+----------+--------------------+--------+-------------+--------+-------------+---------------------+
2 rows in set (0.00 sec)

mysql>
```
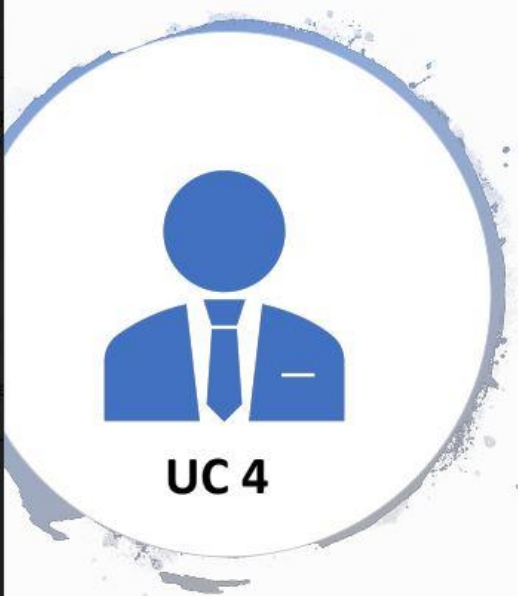
UC4

Ability to edit existing contact person using their name

UC 4

```
mysql> select * from address_book_service;
+----------+----------+-------------------+--------+-------------+--------+-------------+----------------------+
| Name     | Lastname | Address           | City   | State       | Zip    | PhoneNumber | Email                |
+----------+----------+-------------------+--------+-------------+--------+-------------+----------------------+
| Sanket   | Bramhe   | Ashtavinyak Colony | Nagpur | Maharashtra | 440034 |  7083261675 | 27sanket@gmail.com   |
| Prajakta | Bramhe   | Ashtavinyak Colony | Nagpur | Maharashtra | 440034 |  8149240833 | 14Prajakta@gmail.com |
+----------+----------+-------------------+--------+-------------+--------+-------------+----------------------+
2 rows in set (0.00 sec)

mysql> update address_book_service set Name = "Ritesh" where Name = "Sanket";
Query OK, 1 row affected (0.17 sec)
Rows matched: 1  Changed: 1  Warnings: 0

mysql> select * from address_book_service;
+----------+----------+-------------------+--------+-------------+--------+-------------+----------------------+
| Name     | Lastname | Address           | City   | State       | Zip    | PhoneNumber | Email                |
+----------+----------+-------------------+--------+-------------+--------+-------------+----------------------+
| Ritesh   | Bramhe   | Ashtavinyak Colony | Nagpur | Maharashtra | 440034 |  7083261675 | 27sanket@gmail.com   |
| Prajakta | Bramhe   | Ashtavinyak Colony | Nagpur | Maharashtra | 440034 |  8149240833 | 14Prajakta@gmail.com |
+----------+----------+-------------------+--------+-------------+--------+-------------+----------------------+
2 rows in set (0.02 sec)

mysql> update address_book_service set State = "Telangan" where State = "Maharashtra";
Query OK, 2 rows affected (0.35 sec)
Rows matched: 2  Changed: 2  Warnings: 0

mysql> select * from address_book_service;
+----------+----------+-------------------+--------+----------+--------+-------------+----------------------+
| Name     | Lastname | Address           | City   | State    | Zip    | PhoneNumber | Email                |
+----------+----------+-------------------+--------+----------+--------+-------------+----------------------+
| Ritesh   | Bramhe   | Ashtavinyak Colony | Nagpur | Telangan | 440034 |  7083261675 | 27sanket@gmail.com   |
| Prajakta | Bramhe   | Ashtavinyak Colony | Nagpur | Telangan | 440034 |  8149240833 | 14Prajakta@gmail.com |
+----------+----------+-------------------+--------+----------+--------+-------------+----------------------+
2 rows in set (0.00 sec)
```

UC5

Ability to delete a person using person's name

UC 5

```
mysql> select * from address_book_service;
+----------+----------+------------------+--------+----------+--------+-------------+----------------------+
| Name     | Lastname | Address          | City   | State    | Zip    | PhoneNumber | Email                |
+----------+----------+------------------+--------+----------+--------+-------------+----------------------+
| Ritesh   | Bramhe   | Ashtavinyak Colony | Nagpur | Telangan | 440034 | 7083261675  | 27sanket@gmail.com   |
| Prajakta | Bramhe   | Ashtavinyak Colony | Nagpur | Telangan | 440034 | 8149240833  | 14Prajakta@gmail.com |
+----------+----------+------------------+--------+----------+--------+-------------+----------------------+
2 rows in set (0.00 sec)

mysql> DELETE FROM address_book_service where Name = "Ritesh";
Query OK, 1 row affected (0.27 sec)

mysql> select * from address_book_service;
+----------+----------+------------------+--------+----------+--------+-------------+----------------------+
| Name     | Lastname | Address          | City   | State    | Zip    | PhoneNumber | Email                |
+----------+----------+------------------+--------+----------+--------+-------------+----------------------+
| Prajakta | Bramhe   | Ashtavinyak Colony | Nagpur | Telangan | 440034 | 8149240833  | 14Prajakta@gmail.com |
+----------+----------+------------------+--------+----------+--------+-------------+----------------------+
1 row in set (0.10 sec)

mysql>
```

```
mysql> insert into address_book_service values("Samiksha", "Shende", "Lakshmi nagar","pune","UP", 447788, 3216547890,"samiksha56@gmail.com");
Query OK, 1 row affected (0.17 sec)

mysql> insert into address_book_service values("Arun", "Gawande", "Lakshmi nagar","Yavatmar","MP", 567788, 3216547890,"arun@gmail.com");
Query OK, 1 row affected (0.21 sec)

mysql> select * from address_book_service;
+----------+----------+------------------+----------+-----------+--------+-------------+----------------------+
| Name     | Lastname | Address          | City     | State     | Zip    | PhoneNumber | Email                |
+----------+----------+------------------+----------+-----------+--------+-------------+----------------------+
| Prajakta | Bramhe   | Ashtavinyak Colony | Nagpur   | Telangan  | 440034 | 8149240833  | 14Prajakta@gmail.com |
| Ekta     | Shende   | Parvati nagar    | Nagpur   | Telangana | 447788 | 3216547890  | ekta12@gmail.com     |
| Samiksha | Shende   | Lakshmi nagar    | pune     | UP        | 447788 | 3216547890  | samiksha56@gmail.com |
| Arun     | Gawande  | Lakshmi nagar    | Yavatmar | MP        | 567788 | 3216547890  | arun@gmail.com       |
+----------+----------+------------------+----------+-----------+--------+-------------+----------------------+
4 rows in set (0.00 sec)

mysql> DELETE FROM address_book_service where Name = "Samiksha";
Query OK, 1 row affected (0.14 sec)

mysql> select * from address_book_service;
+----------+----------+------------------+----------+-----------+--------+-------------+----------------------+
| Name     | Lastname | Address          | City     | State     | Zip    | PhoneNumber | Email                |
+----------+----------+------------------+----------+-----------+--------+-------------+----------------------+
| Prajakta | Bramhe   | Ashtavinyak Colony | Nagpur   | Telangan  | 440034 | 8149240833  | 14Prajakta@gmail.com |
| Ekta     | Shende   | Parvati nagar    | Nagpur   | Telangana | 447788 | 3216547890  | ekta12@gmail.com     |
| Arun     | Gawande  | Lakshmi nagar    | Yavatmar | MP        | 567788 | 3216547890  | arun@gmail.com       |
+----------+----------+------------------+----------+-----------+--------+-------------+----------------------+
3 rows in set (0.00 sec)
```

UC6

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

```
mysql> select * from address_book_service;
+----------+----------+-------------------+----------+-----------+--------+-------------+----------------------+
| Name     | Lastname | Address           | City     | State     | Zip    | PhoneNumber | Email                |
+----------+----------+-------------------+----------+-----------+--------+-------------+----------------------+
| Prajakta | Bramhe   | Ashtavinyak Colony| Nagpur   | Telangan  | 440034 | 8149240833  | 14Prajakta@gmail.com |
| Ekta     | Shende   | Parvati nagar     | Nagpur   | Telangana | 447788 | 3216547890  | ekta12@gmail.com     |
| Arun     | Gawande  | Lakshmi nagar     | Yavatmar | MP        | 567788 | 3216547890  | arun@gmail.com       |
+----------+----------+-------------------+----------+-----------+--------+-------------+----------------------+
3 rows in set (0.00 sec)

mysql> SELECT Cust_No, First_Name FROM Customers WHERE City='Nagpur';
ERROR 1146 (42S02): Table 'address_book_service.customers' doesn't exist
mysql> select * from address_book_service where City = 'Nagpur';
+----------+----------+-------------------+--------+-----------+--------+-------------+----------------------+
| Name     | Lastname | Address           | City   | State     | Zip    | PhoneNumber | Email                |
+----------+----------+-------------------+--------+-----------+--------+-------------+----------------------+
| Prajakta | Bramhe   | Ashtavinyak Colony| Nagpur | Telangan  | 440034 | 8149240833  | 14Prajakta@gmail.com |
| Ekta     | Shende   | Parvati nagar     | Nagpur | Telangana | 447788 | 3216547890  | ekta12@gmail.com     |
+----------+----------+-------------------+--------+-----------+--------+-------------+----------------------+
2 rows in set (0.00 sec)

mysql> select * from address_book_service where City = 'Nagpur' OR State = 'Telangana';
+----------+----------+-------------------+--------+-----------+--------+-------------+----------------------+
| Name     | Lastname | Address           | City   | State     | Zip    | PhoneNumber | Email                |
+----------+----------+-------------------+--------+-----------+--------+-------------+----------------------+
| Prajakta | Bramhe   | Ashtavinyak Colony| Nagpur | Telangan  | 440034 | 8149240833  | 14Prajakta@gmail.com |
| Ekta     | Shende   | Parvati nagar     | Nagpur | Telangana | 447788 | 3216547890  | ekta12@gmail.com     |
+----------+----------+-------------------+--------+-----------+--------+-------------+----------------------+
2 rows in set (0.00 sec)
```

```
mysql> select * from address_book_service where City = 'Nagpur' OR State ='MP';
+----------+----------+-------------------+----------+-----------+--------+-------------+----------------------+
| Name     | Lastname | Address           | City     | State     | Zip    | PhoneNumber | Email                |
+----------+----------+-------------------+----------+-----------+--------+-------------+----------------------+
| Prajakta | Bramhe   | Ashtavinyak Colony| Nagpur   | Telangan  | 440034 | 8149240833  | 14Prajakta@gmail.com |
| Ekta     | Shende   | Parvati nagar     | Nagpur   | Telangana | 447788 | 3216547890  | ekta12@gmail.com     |
| Arun     | Gawande  | Lakshmi nagar     | Yavatmar | MP        | 567788 | 3216547890  | arun@gmail.com       |
+----------+----------+-------------------+----------+-----------+--------+-------------+----------------------+
3 rows in set (0.00 sec)

mysql> select * from address_book_service where City = 'Nagpur';
+----------+----------+-------------------+--------+-----------+--------+-------------+----------------------+
| Name     | Lastname | Address           | City   | State     | Zip    | PhoneNumber | Email                |
+----------+----------+-------------------+--------+-----------+--------+-------------+----------------------+
| Prajakta | Bramhe   | Ashtavinyak Colony| Nagpur | Telangan  | 440034 | 8149240833  | 14Prajakta@gmail.com |
| Ekta     | Shende   | Parvati nagar     | Nagpur | Telangana | 447788 | 3216547890  | ekta12@gmail.com     |
+----------+----------+-------------------+--------+-----------+--------+-------------+----------------------+
2 rows in set (0.00 sec)
```

UC7


```
mysql> SELECT COUNT City from address_book_service;
ERROR 1054 (42S22): Unknown column 'COUNT' in 'field list'
mysql> SELECT COUNT( City) from address_book_service;
+--------------+
| COUNT( City) |
+--------------+
|            3 |
+--------------+
1 row in set (0.00 sec)

mysql> SELECT COUNT( State) from address_book_service;
+---------------+
| COUNT( State) |
+---------------+
|             3 |
+---------------+
1 row in set (0.00 sec)
```

```
mysql> SELECT City, State from address_book_service where COUNT(City) AND COUNT(State);
ERROR 1111 (HY000): Invalid use of group function
mysql> SELECT COUNT(City), COUNT(State) from address_book_service;
+-------------+--------------+
| COUNT(City) | COUNT(State) |
+-------------+--------------+
|           3 |            3 |
+-------------+--------------+
1 row in set (0.00 sec)

mysql>
```

UC8


```
mysql> select * from address_book_service;
+----------+----------+--------------------+----------+-----------+--------+-------------+----------------------+
| Name     | Lastname | Address            | City     | State     | Zip    | PhoneNumber | Email                |
+----------+----------+--------------------+----------+-----------+--------+-------------+----------------------+
| Prajakta | Bramhe   | Ashtavinyak Colony | Nagpur   | Telangan  | 440034 | 8149240833  | 14Prajakta@gmail.com |
| Ekta     | Shende   | Parvati nagar      | Nagpur   | Telangana | 447788 | 3216547890  | ekta12@gmail.com     |
| Arun     | Gawande  | Lakshmi nagar      | Yavatmar | MP        | 567788 | 3216547890  | arun@gmail.com       |
+----------+----------+--------------------+----------+-----------+--------+-------------+----------------------+
3 rows in set (0.00 sec)

mysql> select Name from address_book_service order by City DESC;
+----------+
| Name     |
+----------+
| Arun     |
| Prajakta |
| Ekta     |
+----------+
3 rows in set (0.00 sec)

mysql> select Name from address_book_service order by City ASC;
+----------+
| Name     |
+----------+
| Prajakta |
| Ekta     |
| Arun     |
+----------+
3 rows in set (0.00 sec)
```
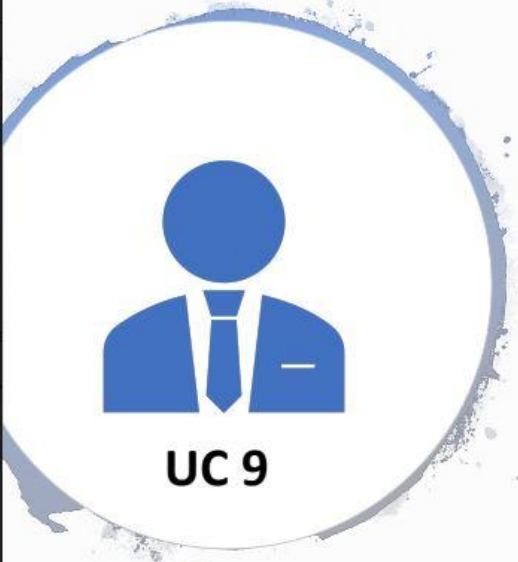
UC9

Ability to identify each Address Book with name and Type.

- Here the type could Family, Friends, Profession, etc
- Alter Address Book to add name and type

```
mysql> alter table address_book_service add Type varchar(20);
Query OK, 0 rows affected (1.66 sec)
Records: 0  Duplicates: 0  Warnings: 0

mysql> desc address_book_service;
+-------------+-------------+------+-----+---------+-------+
| Field       | Type        | Null | Key | Default | Extra |
+-------------+-------------+------+-----+---------+-------+
| Name        | varchar(20) | YES  |     | NULL    |       |
| Lastname    | varchar(20) | YES  |     | NULL    |       |
| Address     | varchar(20) | YES  |     | NULL    |       |
| City        | varchar(20) | YES  |     | NULL    |       |
| State       | varchar(20) | YES  |     | NULL    |       |
| Zip         | bigint      | YES  |     | NULL    |       |
| PhoneNumber | bigint      | YES  |     | NULL    |       |
| Email       | varchar(20) | YES  |     | NULL    |       |
| Type        | varchar(20) | YES  |     | NULL    |       |
+-------------+-------------+------+-----+---------+-------+
9 rows in set (0.02 sec)
```

```
mysql> select * from address_book_service;
+----------+----------+------------------+----------+-----------+--------+-------------+---------------------+------+
| Name     | Lastname | Address          | City     | State     | Zip    | PhoneNumber | Email               | Type |
+----------+----------+------------------+----------+-----------+--------+-------------+---------------------+------+
| Prajakta | Bramhe   | Ashtavinyak Colony| Nagpur   | Telangan  | 440034 | 8149240833  | 14Prajakta@gmail.com| NULL |
| Ekta     | Shende   | Parvati nagar    | Nagpur   | Telangana | 447788 | 3216547890  | ekta12@gmail.com    | NULL |
| Arun     | Gawande  | Lakshmi nagar    | Yavatmar | MP        | 567788 | 3216547890  | arun@gmail.com      | NULL |
+----------+----------+------------------+----------+-----------+--------+-------------+---------------------+------+
3 rows in set (0.02 sec)
```

Continue- UC9

```
mysql> update address_book_service set type="Family" where name="Prajakta";
Query OK, 1 row affected (0.19 sec)
Rows matched: 1  Changed: 1  Warnings: 0

mysql> update address_book_service set type="Friend" where name="Ekta";
Query OK, 1 row affected (0.16 sec)
Rows matched: 1  Changed: 1  Warnings: 0

mysql> update address_book_service set type="Profession" where name="Arun";
Query OK, 1 row affected (0.06 sec)
Rows matched: 1  Changed: 1  Warnings: 0

mysql> select * from address_book_service;
+----------+----------+------------------+----------+-----------+--------+-------------+----------------------+------------+
| Name     | Lastname | Address          | City     | State     | Zip    | PhoneNumber | Email                | Type       |
+----------+----------+------------------+----------+-----------+--------+-------------+----------------------+------------+
| Prajakta | Bramhe   | Ashtavinyak Colony| Nagpur  | Telangan  | 440034 | 8149240833  | 14Prajakta@gmail.com | Family     |
| Ekta     | Shende   | Parvati nagar    | Nagpur   | Telangana | 447788 | 3216547890  | ekta12@gmail.com     | Friend     |
| Arun     | Gawande  | Lakshmi nagar    | Yavatmar | MP        | 567788 | 3216547890  | arun@gmail.com       | Profession |
+----------+----------+------------------+----------+-----------+--------+-------------+----------------------+------------+
3 rows in set (0.00 sec)

mysql>
```
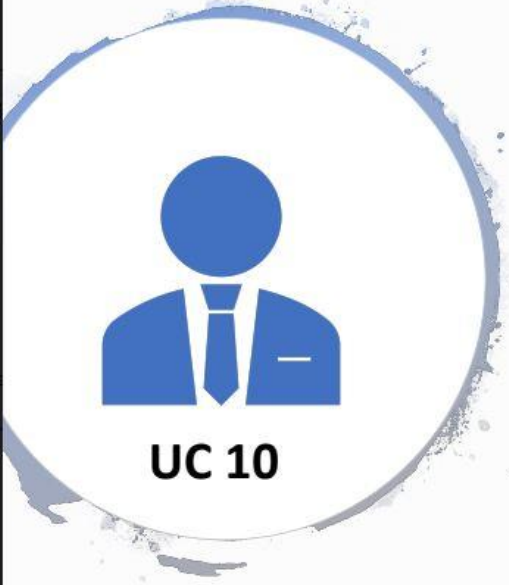
UC10

Ability to get number of contact persons i.e. count by type

```
mysql> insert into address_book_service values('Aniket', 'Mule', 'Swagat Nagar', 'Wardha', 'Bihar', 445566, 7485961236, aniket34@gmai
.com);
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the righ
 syntax to use near '@gmail.com)' at line 1
mysql> insert into address_book_service values('Aniket', 'Mule', 'Swagat Nagar', 'Wardha', 'Bihar', 445566, 7485961236, 'aniket34@gma
l.com');
ERROR 1136 (21S01): Column count doesn't match value count at row 1
mysql> insert into address_book_service values('Aniket', 'Mule', 'Swagat Nagar', 'Wardha', 'Bihar', 445566, 7485961236, 'aniket34@gma
l.com', 'Family');
Query OK, 1 row affected (0.08 sec)

mysql> insert into address_book_service values('Ankush', 'Bahekar', 'Mhalgi nagar', 'Gondiya', 'UP', 440566, 7485961256, 'ankush34@gm
il.com', 'Family');
Query OK, 1 row affected (0.24 sec)

mysql> insert into address_book_service values('Anisha', 'Bandhare', 'Ram colony', 'Delhi', 'UP', 440566, 7485961256, 'ankush34@gmail
com', 'Family');
Query OK, 1 row affected (0.18 sec)

mysql> insert into address_book_service values('Ritesh', 'Nirmalkar', 'Ravan colony', 'shreenagar', 'J&K', 440588, 7285961256, 'rites
@gmail.com', 'Profession');
Query OK, 1 row affected (0.13 sec)

mysql> select * from address_book_service;
+----------+-----------+-------------------+------------+-----------+--------+-------------+-----------------------+------------+
| Name     | Lastname  | Address           | City       | State     | Zip    | PhoneNumber | Email                 | Type       |
+----------+-----------+-------------------+------------+-----------+--------+-------------+-----------------------+------------+
| Prajakta | Bramhe    | Ashtavinyak Colony | Nagpur     | Telangan  | 440034 | 8149240833  | 14Prajakta@gmail.com  | Family     |
| Ekta     | Shende    | Parvati nagar     | Nagpur     | Telangana | 447788 | 3216547890  | ekta12@gmail.com      | Friend     |
| Arun     | Gawande   | Lakshmi nagar     | Yavatmar   | MP        | 567788 | 3216547890  | arun@gmail.com        | Profession |
| Aniket   | Mule      | Swagat Nagar      | Wardha     | Bihar     | 445566 | 7485961236  | aniket34@gmail.com    | Family     |
| Ankush   | Bahekar   | Mhalgi nagar      | Gondiya    | UP        | 440566 | 7485961256  | ankush34@gmail.com    | Family     |
| Anisha   | Bandhare  | Ram colony        | Delhi      | UP        | 440566 | 7485961256  | ankush34@gmail.com    | Family     |
| Ritesh   | Nirmalkar | Ravan colony      | shreenagar | J&K       | 440588 | 7285961256  | ritesh@gmail.com      | Profession |
+----------+-----------+-------------------+------------+-----------+--------+-------------+-----------------------+------------+
```

```
mysql> select type,count(*) from address_book_service group by Type;
+------------+----------+
| type       | count(*) |
+------------+----------+
| Family     |        4 |
| Friend     |        1 |
| Profession |        2 |
+------------+----------+
3 rows in set (0.00 sec)

mysql>
```

UC11


```
mysql> insert into address_book_service values('Ritesh', 'Nirmalkar', 'Ravan colony', 'shreenagar', 'J&K', 440588, 7285961256, 'ritesh
@gmail.com', 'Friend');
Query OK, 1 row affected (0.20 sec)

mysql> select * from address_book_service;
+----------+-----------+-------------------+------------+-----------+--------+------------+---------------------+------------+
| Name     | Lastname  | Address           | City       | State     | Zip    | PhoneNumber | Email              | Type       |
+----------+-----------+-------------------+------------+-----------+--------+------------+---------------------+------------+
| Prajakta | Bramhe    | Ashtavinyak Colony | Nagpur    | Telangan  | 440034 | 8149240833 | 14Prajakta@gmail.com | Family    |
| Ekta     | Shende    | Parvati nagar     | Nagpur     | Telangana | 447788 | 3216547890 | ekta12@gmail.com    | Friend     |
| Arun     | Gawande   | Lakshmi nagar     | Yavatmar   | MP        | 567788 | 3216547890 | arun@gmail.com      | Profession |
| Aniket   | Mule      | Swagat Nagar      | Wardha     | Bihar     | 445566 | 7485961236 | aniket34@gmail.com  | Family     |
| Ankush   | Bahekar   | Mhalgi nagar      | Gondiya    | UP        | 440566 | 7485961256 | ankush34@gmail.com  | Family     |
| Anisha   | Bandhare  | Ram colony        | Delhi      | UP        | 440566 | 7485961256 | ankush34@gmail.com  | Family     |
| Ritesh   | Nirmalkar | Ravan colony      | shreenagar | J&K       | 440588 | 7285961256 | ritesh@gmail.com    | Profession |
| Ritesh   | Nirmalkar | Ravan colony      | shreenagar | J&K       | 440588 | 7285961256 | ritesh@gmail.com    | Friend     |
+----------+-----------+-------------------+------------+-----------+--------+------------+---------------------+------------+
8 rows in set (0.10 sec)
```