**Address Book System MSSQL DB**

**UC 1:**

mysql> create database address\_book\_service;

Query OK, 1 row affected (0.02 sec)

mysql> show databases;

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

| Database |

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

| address\_book\_service |

| information\_schema |

| mysql |

| payroll\_service |

| performance\_schema |

| sakila |

| sys |

| test |

| world |

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

9 rows in set (0.01 sec)

mysql> use address\_book\_service;

Database changed

**UC 2:**

mysql> create table address\_book(first\_name varchar(50) not null, last\_name varchar(50) not null, address varchar(100)not null, city varchar(25) not null, state varchar(25) not null, zip int not null, phone\_number varchar(12) not null, email varchar(30) not null, primary key(first\_name)) ENGINE=InnoDB default charset = latin1;

Query OK, 0 rows affected (0.16 sec)

mysql> desc address\_book;

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

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

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

| first\_name | varchar(50) | NO | PRI | NULL | |

| last\_name | varchar(50) | NO | | NULL | |

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

| city | varchar(25) | NO | | NULL | |

| state | varchar(25) | NO | | NULL | |

| zip | int | NO | | NULL | |

| phone\_number | varchar(12) | NO | | NULL | |

| email | varchar(30) | NO | | NULL | |

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

8 rows in set (0.01 sec)

**UC 3:**

mysql> insert into address\_book(first\_name,last\_name,address,city,state,zip,phone\_number,email) values

-> ('Megha','jagadale','Asumehra building','Mumbai','Maharashtra',400071,'9167332436',

-> 'megha@gmail.com');

Query OK, 1 row affected (0.02 sec)

mysql> insert into address\_book(first\_name,last\_name,address,city,state,zip,phone\_number,email) values

-> ('Daniel','Konat','Paras Recidence','Panvel','kerala',410206,'8285643245',

-> 'konat09@gmail.com');

Query OK, 1 row affected (0.01 sec)

mysql> insert into address\_book(first\_name,last\_name,address,city,state,zip,phone\_number,email) values

-> ('Pranali','Kapse','Shivkrupa Sangh','Thane','Karnataka',400087,'8935432454',

-> 'pranalikapse20@gmail.com');

Query OK, 1 row affected (0.01 sec)

mysql> insert into address\_book(first\_name,last\_name,address,city,state,zip,phone\_number,email) values

-> ('Pratik','Nikam','Himgiri Building','Bandra','Assam',410409,'9234567887',

-> 'pratik@gmail.com');

Query OK, 1 row affected (0.01 sec)

mysql> select \* from address\_book;

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

| first\_name | last\_name | address | city | state | zip | phone\_number | email |

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

| Daniel | Konat | Paras Recidence | Panvel | kerala | 410206 | 8285643245 | konat09@gmail.com |

| Megha | jagadale | Asumehra building | Mumbai | Maharashtra | 400071 | 9167332436 | megha@gmail.com |

| Pranali | Kapse | Shivkrupa Sangh | Thane | Karnataka | 400087 | 8935432454 | pranalikapse20@gmail.com |

| Pratik | Nikam | Himgiri Building | Bandra | Assam | 410409 | 9234567887 | pratik@gmail.com |

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

4 rows in set (0.00 sec)

**UC 4 :**

mysql> update address\_book set city='Bangalore', address='Alena Residency'

-> where first\_name = 'Megha';

Query OK, 1 row affected (0.01 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> select \* from address\_book;

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

| first\_name | last\_name | address | city | state | zip | phone\_number | email |

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

| Daniel | Konat | Paras Recidence | Panvel | kerala | 410206 | 8285643245 | konat09@gmail.com |

| Megha | jagadale | Alena Residency | Bangalore | Maharashtra | 400071 | 9167332436 | megha@gmail.com |

| Pranali | Kapse | Shivkrupa Sangh | Thane | Karnataka | 400087 | 8935432454 | pranalikapse20@gmail.com |

| Pratik | Nikam | Himgiri Building | Bandra | Assam | 410409 | 9234567887 | pratik@gmail.com |

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

4 rows in set (0.01 sec)

**UC 5:**

mysql> delete from address\_book where first\_name = 'Pratik';

Query OK, 1 row affected (0.02 sec)

mysql> select \* from address\_book;

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

| first\_name | last\_name | address | city | state | zip | phone\_number | email |

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

| Daniel | Konat | Paras Recidence | Panvel | kerala | 410206 | 8285643245 | konat09@gmail.com |

| Megha | jagadale | Alena Residency | Bangalore | Maharashtra | 400071 | 9167332436 | megha@gmail.com |

| Pranali | Kapse | Shivkrupa Sangh | Thane | Karnataka | 400087 | 8935432454 | pranalikapse20@gmail.com |

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

3 rows in set (0.00 sec)

**UC 6:**

mysql> SELECT CITY,State FROM address\_book;

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

| CITY | State |

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

| Panvel | kerala |

| Bangalore | Maharashtra |

| Thane | Karnataka |

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

3 rows in set (0.00 sec)

mysql> SELECT first\_name,CITY,State FROM address\_book;

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

| first\_name | CITY | State |

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

| Daniel | Panvel | kerala |

| Megha | Bangalore | Maharashtra |

| Pranali | Thane | Karnataka |

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

3 rows in set (0.00 sec)

mysql> select \* from address\_book where city='Bangalore' and state='Maharashtra';

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

| first\_name | last\_name | address | city | state | zip | phone\_number | email |

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

| Megha | jagadale | Alena Residency | Bangalore | Maharashtra | 400071 | 9167332436 | megha@gmail.com |

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

1 row in set (0.00 sec)

mysql> select \* from address\_book where city='Panvel' and state='kerala';

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

| first\_name | last\_name | address | city | state | zip | phone\_number | email |

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

| Daniel | Konat | Paras Recidence | Panvel | kerala | 410206 | 8285643245 | konat09@gmail.com |

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

1 row in set (0.00 sec)

**UC 7:**

mysql> SELECT City,State, COUNT(\*) FROM address\_book ;

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

| City | State | COUNT(\*) |

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

| Panvel | kerala | 3 |

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

1 row in set (0.01 sec)

mysql> SELECT City,State, COUNT(\*) FROM address\_book GROUP BY City;

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

| City | State | COUNT(\*) |

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

| Panvel | kerala | 1 |

| Bangalore | Maharashtra | 1 |

| Thane | Karnataka | 1 |

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

3 rows in set (0.01 sec)

mysql> select count(first\_name) from address\_book where city='Bangalore' or state='Maharashtra';

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

| count(first\_name) |

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

| 1 |

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

1 row in set (0.01 sec)

mysql> select count(first\_name) from address\_book where city='Panvel' or state='kerala';

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

| count(first\_name) |

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

| 1 |

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

1 row in set (0.00 sec)

mysql> select count(first\_name) from address\_book where city='Thane' or state='Karnataka';

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

| count(first\_name) |

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

| 1 |

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

1 row in set (0.00 sec)

**UC 8:**

mysql> SELECT \* FROM address\_book ORDER BY first\_name ASC;

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

| first\_name | last\_name | address | city | state | zip | phone\_number | email |

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

| Daniel | Konat | Paras Recidence | Panvel | kerala | 410206 | 8285643245 | konat09@gmail.com |

| Megha | jagadale | Alena Residency | Bangalore | Maharashtra | 400071 | 9167332436 | megha@gmail.com |

| Pranali | Kapse | Shivkrupa Sangh | Thane | Karnataka | 400087 | 8935432454 | pranalikapse20@gmail.com |

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

3 rows in set (0.00 sec)

mysql> SELECT \* FROM address\_book ORDER BY first\_name DESC;

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

| first\_name | last\_name | address | city | state | zip | phone\_number | email |

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

| Pranali | Kapse | Shivkrupa Sangh | Thane | Karnataka | 400087 | 8935432454 | pranalikapse20@gmail.com |

| Megha | jagadale | Alena Residency | Bangalore | Maharashtra | 400071 | 9167332436 | megha@gmail.com |

| Daniel | Konat | Paras Recidence | Panvel | kerala | 410206 | 8285643245 | konat09@gmail.com |

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

3 rows in set (0.00 sec)

**UC 9:**

mysql> alter table address\_book add name varchar(20) not null, add Type varchar(15) not null;

Query OK, 0 rows affected (0.09 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> SELECT \* FROM address\_book;

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

| first\_name | last\_name | address | city | state | zip | phone\_number | email | name | Type |

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

| Daniel | Konat | Paras Recidence | Panvel | kerala | 410206 | 8285643245 | konat09@gmail.com | | |

| Megha | jagadale | Alena Residency | Bangalore | Maharashtra | 400071 | 9167332436 | megha@gmail.com | | |

| Pranali | Kapse | Shivkrupa Sangh | Thane | Karnataka | 400087 | 8935432454 | pranalikapse20@gmail.com | | |

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

3 rows in set (0.01 sec)

mysql> update address\_book set name='Book-A',type='Friends' where first\_name = 'Megha';

Query OK, 1 row affected (0.02 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> update address\_book set name='Book-B',type='Family' where first\_name = 'Daniel';

Query OK, 1 row affected (0.01 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> update address\_book set name='Book-C',type='Family' where first\_name = 'Pranali';

Query OK, 1 row affected (0.01 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> SELECT \* FROM address\_book;

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

| first\_name | last\_name | address | city | state | zip | phone\_number | email | name | Type |

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

| Daniel | Konat | Paras Recidence | Panvel | kerala | 410206 | 8285643245 | konat09@gmail.com | Book-B | Family |

| Megha | jagadale | Alena Residency | Bangalore | Maharashtra | 400071 | 9167332436 | megha@gmail.com | Book-A | Friends |

| Pranali | Kapse | Shivkrupa Sangh | Thane | Karnataka | 400087 | 8935432454 | pranalikapse20@gmail.com | Book-C | Family |

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

3 rows in set (0.00 sec)

mysql> update address\_book set type='Profession' where first\_name = 'Pranali';

Query OK, 1 row affected (0.01 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> SELECT \* FROM address\_book;

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

| first\_name | last\_name | address | city | state | zip | phone\_number | email | name | Type |

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

| Daniel | Konat | Paras Recidence | Panvel | kerala | 410206 | 8285643245 | konat09@gmail.com | Book-B | Family |

| Megha | jagadale | Alena Residency | Bangalore | Maharashtra | 400071 | 9167332436 | megha@gmail.com | Book-A | Friends |

| Pranali | Kapse | Shivkrupa Sangh | Thane | Karnataka | 400087 | 8935432454 | pranalikapse20@gmail.com | Book-C | Profession |

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

3 rows in set (0.01 sec)

**UC 10:**

mysql> select count(type) from address\_book where type='Friends';

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

| count(type) |

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

| 1 |

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

1 row in set (0.00 sec)

mysql> select count(type) from address\_book where type='Family';

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

| count(type) |

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

| 1 |

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

1 row in set (0.00 sec)

mysql> select count(type) from address\_book where type='Profession';

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

| count(type) |

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

| 1 |

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

1 row in set (0.00 sec)

mysql> select count(type) from address\_book;

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

| count(type) |

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

| 3 |

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

1 row in set (0.01 sec)

mysql> insert into address\_book(first\_name,last\_name,address,city,state,zip,phone\_number,email,name,Type)

-> values ('Ganesh','Kadam','Blue Residence', 'CST','Tamil Nadu',235656,

-> '9134567897','ganesh@gmail.com','Book-A','Family & Friend');

Query OK, 1 row affected (0.01 sec)

mysql> select \* from address\_book;

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

| first\_name | last\_name | address | city | state | zip | phone\_number | email | name | Type |

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

| Daniel | Konat | Paras Recidence | Panvel | kerala | 410206 | 8285643245 | konat09@gmail.com | Book-B | Family |

| Ganesh | Kadam | Blue Residence | CST | Tamil Nadu | 235656 | 9134567897 | ganesh@gmail.com | Book-A | Family & Friend |

| Megha | jagadale | Alena Residency | Bangalore | Maharashtra | 400071 | 9167332436 | megha@gmail.com | Book-A | Friends |

| Pranali | Kapse | Shivkrupa Sangh | Thane | Karnataka | 400087 | 8935432454 | pranalikapse20@gmail.com | Book-C | Profession |

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

4 rows in set (0.01 sec)