Uc1- Ability to create a address book service database

Create database address\_book\_service;

Use address\_book\_service;

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 (first\_name varchar(50) not null, last\_name varchar(50) not null, address varchar(150) not null, city varchar(50) not null, state varchar(50) not null, zip int unsigned not null, phone\_Number int unsigned not null, email varchar(50) not null);

UC3 - Ability to insert new Contacts to Address Book

Insert into addressbook values(‘vignesh’,’d’,’xyz’,’vellore’,’tamil nadu’,’632006’,8012466942,xyz@gmail.com’), (‘jaga’,’j’,’cbaxyz’,’vellore’,’tamil nadu’,’632007’,8012466944,abcxyz@gmail.com’);

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

Update addressbook set address=’xxx’ where first\_name = ‘vignesh’;

UC5 – Ability to delete a person using person's name

Delete from addressbook where first\_name = ‘jaga’;

UC6 - Ability to Retrieve Person belonging to a City or State from the Address Book

select \* from addressbook where city='vellore' or state='tamilnadu';

UC7-Size of addressBook by city and state

select count(first\_Name) from addressbook where state='tamilnadu';

select count(first\_Name) from AddressBook where city='vellore';

UC8-Retrieving the alphabetically sorted contact's name for given city

select first\_Name from addressbook order by city; /\*Ascending order

UC9- Ability to identify each Address Book with name and Type.

alter table addressbook add contacttype varchar(50), bookname varchar(50);

update addressbook set contacttype='Friend',bookname='Abc' where first\_name='vignesh';

update addressbook set contacttype='Family',bookname='xyz' where last\_name='j';

select \* from addressbook where contacttype='family';

UC10-Retrieving the contacts by contact type

select count(first\_Name) from addressbook where contacttype='Friend';