**Cassandra Implementation:**

First start Cassandra shell from the command prompt

**To view ketspaces(Like schema in RDBMS)**

DESC KEYSPACES;

**To create the keyspace “classdemo”**

CREATE KEYSPACE classdemo

WITH REPLICATION = { 'class' : 'SimpleStrategy', 'replication\_factor' : 1 };

USE classdemo;

**To create “users” table within the keyspace “classdemo" to insert data**

CREATE TABLE users (

firstname text,

lastname text,

age int,

email text,

city text,

PRIMARY KEY (lastname));

**To see the various attributes of the users table**

DESC SCHEMA;

**To insert rows in the users table**

INSERT INTO users (firstname, lastname, age, email, city) VALUES ('John', 'Smith', 46, 'johnsmith@email.com', 'Sacramento');

INSERT INTO users (firstname, lastname, age, email, city) VALUES ('Jane', 'Doe', 36, 'janedoe@email.com', 'Beverly Hills');

INSERT INTO users (firstname, lastname, age, email, city) VALUES ('Rob', 'Byrne', 24, 'robbyrne@email.com', 'San Diego');

SELECT \* FROM users WHERE lastname= 'Doe';

**To update a user city to San Jose**

UPDATE users SET city= 'San Jose' WHERE lastname= 'Doe';

SELECT \* FROM users where lastname= 'Doe';

**To delete a row with lastname Doe in it**

DELETE from users WHERE lastname = “Doe”;