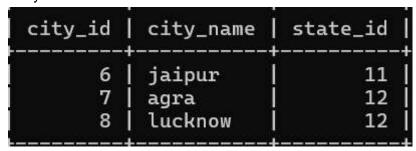
Assignment 4:

// State table

CREATE TABLE state(
state_name VARCHAR(200) NOT NULL,
state_id INT PRIMARY KEY
);

// city table



CREATE TABLE city(
city_id INT PRIMARY KEY,
city_name VARCHAR(200) NOT NULL,
state_id INT,

FOREIGN KEY (state_id) REFERENCES state(state_id) ON DELETE CASCADE);

// pincode table

	city_id
302020	6
302021	7
302022	8
	302021

```
CREATE TABLE pincode(
pincode_id INT PRIMARY KEY,
pincode VARCHAR(10) NOT NULL,
city_id INT,
```

FOREIGN KEY (city_id) REFERENCES city(city_id) ON DELETE CASCADE);

// Inserting data into the tables

```
INSERT INTO pincode (pincode_id, pincode, city_id)
VALUES
(1, '302020', 6),
(2, '302021', 7),
(3, '302022', 8);

INSERT INTO city (city_id, city_name, state_id)
VALUES
(6, 'jaipur', 11),
(7, 'agra', 12),
(8, 'lucknow', 12);

INSERT INTO state (state_id, state_name)
VALUES
(11, 'rajasthan'),
(12, 'uttar pradesh');
```

// query asked in question.

Q) write a SQL query for that returns a Resultset containing Zip Code, City Names and States ordered by State Name and City Name.

```
SELECT
p.pincode AS Zip_Code,
c.city_name AS City_Name,
s.state_name AS State_Name
FROM
pincode p
INNER JOIN
city c ON p.city_id = c.city_id
INNER JOIN
state s ON c.state_id = s.state_id
ORDER BY
s.state_name ASC,
c.city_name ASC;
```

// result

Zip_Code	City_Name	State_Name
302020	jaipur	rajasthan
302021	agra	uttar pradesh
302022	lucknow	uttar pradesh