Module-4) Se - Introduction To Dbms

-------------sql practical creating table ,inserting data and writing quaries.

------------creating tables:

Table city:

Create table city(

Id int primary key,

City_name varchar(50),

Lat decimal(10,6),

Long decimal(10,6),

Country_id int

);

Table customer:

CREATE TABLE customer (

id INT PRIMARY KEY,

customer_name VARCHAR(100),

city_id INT,

customer_address VARCHAR(100),

next_call_date DATE,

ts_inserted TIMESTAMP

);

Table country:

CREATE TABLE country (

```
        id INT PRIMARY KEY,

        country_name VARCHAR(50),

        country_name_eng VARCHAR(50),

        country_code VARCHAR(10)
);
```

------------Inserting data into table:

--Inserting data into city table:

```
INSERT INTO city (id, city_name, lat, long, country_id) VALUES

(1, 'Berlin', 52.520008, 13.404954, 1),

(2, 'Belgrade', 44.787197, 20.457273, 2),

(3, 'Zagreb', 45.815359, 15.966568, 3),

(4, 'New York', 40.730610, -73.935242, 4),

(5, 'Los Angeles', 34.052235, -118.243683, 4),

(6, 'Warsaw', 52.237049, 21.017532, 5);
```

--inserting data into customer table:

```
        INSERT INTO city (id, city_name, lat, long, country_id) VALUES

(1, 'Berlin', 52.520008, 13.404954, 1),

(2, 'Belgrade', 44.787197, 20.457273, 2),

(3, 'Zagreb', 45.815359, 15.966568, 3),

(4, 'New York', 40.730610, -73.935242, 4),

(5, 'Los Angeles', 34.052235, -118.243683, 4),

(6, 'Warsaw', 52.237049, 21.017532, 5);
```

--_inserting data into country table:_

     INSERT INTO country (id, country_name, country_name_eng, country_code) VALUES

(1, 'Deutschland', 'Germany', 'DEU'),

(2, 'Srbija', 'Serbia', 'SRB'),

(3, 'Hrvatska', 'Croatia', 'HRV'),

(4, 'United States of America', 'United States of America', 'USA'),

(5, 'Polska', 'Poland', 'POL'),

(6, 'España', 'Spain', 'ESP'),

(7, 'Rossiya', 'Russia', 'RUS');

--_task -1:_

SELECT

   co.country_name_eng AS country,

   ci.city_name,

   cu.customer_name

FROM country co

LEFT JOIN city ci ON co.id = ci.country_id

LEFT JOIN customer cu ON ci.id = cu.city_id

ORDER BY co.country_name_eng;

--_task-2:_

     SELECT

   co.country_name_eng AS country,

   ci.city_name,

   cu.customer_name

```
FROM country co

INNER JOIN city ci ON co.id = ci.country_id

LEFT JOIN customer cu ON ci.id = cu.city_id

ORDER BY co.country_name_eng;
```