

module-5 assesment

1)create table country:

```
CREATE TABLE country (id INT PRIMARY KEY AUTO_INCREMENT, country_name VARCHAR(50),  
country_name_eng VARCHAR(50),country_code VARCHAR(10))
```

2)data inserted in country table:

```
INSERT INTO country 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');
```

3)create table city:

```
CREATE TABLE city (id INT PRIMARY KEY AUTO_INCREMENT,city_name VARCHAR(50),lat  
DECIMAL(10,6),longd DECIMAL(10,6),country_id INT)
```

4)insert record in city table:

INSERT INTO city VALUES

(1, 'Berlin', 52.520008, 13.404954, 1),
(2, 'Belgrade', 44.787197, 20.457273, 2),
(3, 'Zagreb', 45.815399, 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);

5)create table customer:

CREATE TABLE customer (
id INT PRIMARY KEY AUTO_INCREMENT,
customer_name VARCHAR(50),
city_id INT,
customer_address VARCHAR(100),
next_call_date DATE,
ts_inserted DATETIME DEFALUT CURRENT_TIMESTAMP())

6)insert data in customer table:

INSERT INTO customer VALUES

(1, 'Jewelry Store', 4, 'Long Street 120', '2020-01-21', '2020-01-09 14:01:00'),
(2, 'Bakery', 1, 'Kurfürstendamm 25', '2020-01-21', '2020-01-09 17:52:15'),
(3, 'Café', 4, 'Tauentzienstraße 44', '2020-01-21', '2020-01-09 18:04:29'),
(4, 'Restaurant', 3, 'Ulica Ipa 15', '2020-01-21', '2020-01-09 21:09:24');

7)City table: Add FOREIGN KEY to country_id:

```
ALTER TABLE city ADD INDEX(country_id)
```

8)Customer table: Add FOREIGN KEY to city_id:

```
ALTER TABLE customer ADD INDEX(city_id)
```

=====Task : 1=====

```
SELECT
```

```
country.country_name_eng AS country_name,city.city_name,customer.customer_name  
FROM country
```

```
LEFT JOIN
```

```
city ON country.id = city.country_id
```

```
LEFT JOIN
```

```
customer ON city.id = customer.city_id;
```

output:

country_name	city_name	customer_name
United States of America	New York	Jewelry Store
Germany	Berlin	Bakery
United States of America	New York	Café
Croatia	Zagreb	Restaurant
Serbia	Belgrade	NULL
United States of America	Los Angeles	NULL
Poland	Warsaw	NULL
Spain	NULL	NULL
Russia	NULL	NULL

=====Task : 2=====

SELECT

country.country_name_eng AS country_name,

city.city_name,

customer.customer_name

FROM

country

INNER JOIN

city ON country.id = city.country_id

LEFT JOIN

customer ON city.id = customer.city_id;

output:

country_name	city_name	customer_name
United States of America	New York	Jewelry Store
Germany	Berlin	Bakery
United States of America	New York	Café
Croatia	Zagreb	Restaurant
Serbia	Belgrade	NULL
United States of America	Los Angeles	NULL
Poland	Warsaw	NULL