

Assessment

```
CREATE DATABASE assessment
```

```
CREATE TABLE city(  
    id int PRIMARY KEY AUTO_INCREMENT NOT NULL,  
    city_name varchar(50),  
    lat varchar(50),  
    longg varchar(50),  
    country_id int(5)  
);
```

```
INSERT into city(city_name,lat,longg,country_id)  
VALUES("Berlin",52.520008,13.404954,1),("Belgrade",44.787197,20.457273,2),("Zagreb",45.815399,15.9  
66568,3),("New York",40.730610,-73.935242,4),("Los Angeles",34.052235,-  
118.243683,4),("Warsaw",52.237049,21.017532,5);
```

id	city_name	lat	longg	country_id
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

```

CREATE TABLE Customer(
    id int PRIMARY KEY AUTO_INCREMENT NOT NULL,
    customer_name varchar(50),
    city_id int,
    customer_add varchar(50),
    next_call_date varchar(20),
    ts_inserted varchar(20),
    FOREIGN KEY (city_id) REFERENCES city(id)
);

```

```

INSERT INTO customer(customer_name,city_id,customer_add,next_call_date,ts_inserted)
VALUES("Jewelry Store",4,"Long Street 120","2020-01-21","2020-01-09
14:01:20.000"),("Bakery",1,"kurfurstendamm 25","2020-02-21","2020-01-09
17:52:15.000"),("Cafe",1,"Tauentzienstrabe 44","2020-01-21","2020-01-10
08:02:49.000"),("Restaurant",3,"Ulica lipa 15","2020-01-21","2020-01-10 09:20:21.000");

```

id	customer_name	city_id	customer_add	next_call_date	ts_inserted
1	Jewelry Store	4	Long Street 120	2020-01-21	2020-01-09 14:01:20.
2	Bakery	1	kurfurstendamm 25	2020-02-21	2020-01-09 17:52:15.
3	Cafe	1	Tauentzienstrabe 44	2020-01-21	2020-01-10 08:02:49.
4	Restaurant	3	Ulica lipa 15	2020-01-21	2020-01-10 09:20:21.

```

CREATE TABLE country(
    id int PRIMARY KEY AUTO_INCREMENT NOT NULL,
    country_name varchar(50),
    country_name_eng varchar(50),
    country_code varchar(10)
);

```

```
INSERT INTO country(country_name,country_name_eng,country_code)
VALUES("Deutschland","Germany","DEU"),("Srbija","Serbia","SRB"),("Hrvatska","Croatia","HRV"),("United State of America","United State of America","USA"),("Polska","Poland","POL"),("Espana","Spain","ESP"),("Rossiya","Russia","RUS");
```

id	country_name	country_name_eng	country_code
1	Deutschland	Germany	DEU
2	Srbija	Serbia	SRB
3	Hrvatska	Croatia	HRV
4	United State of America	United State of America	USA
5	Polska	Poland	POL
6	Espana	Spain	ESP
7	Rossiya	Russia	RUS

Task : 1 (join multiple tables using left join)

```
SELECT country.country_name_eng, city.city_name, customer.customer_name FROM country
LEFT JOIN city ON city.country_id = country.id
LEFT JOIN customer ON customer.city_id = city.id;
```

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

Task : 2 (join multiple tables using both left and inner join)

```
SELECT country.country_name_eng, city.city_name, customer.customer_name  
FROM country  
INNER JOIN city ON city.country_id = country.id  
LEFT JOIN customer ON customer.city_id = city.id;
```

country_name_eng	city_name	customer_name
United State of America	New York	Jewelry Store
Germany	Berlin	Bakery
Germany	Berlin	Cafe
Croatia	Zagreb	Restaurant
Serbia	Belgrade	NULL
United State of America	Los Angeles	NULL
Poland	Warsaw	NULL