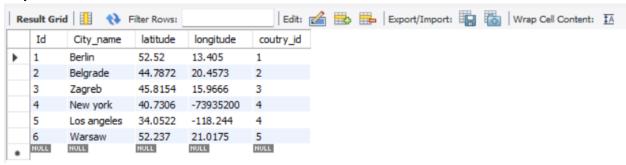
Assessment

1. Consider three table named as city, customer and country.

→ City table:



→ City table query: create database Assessment;

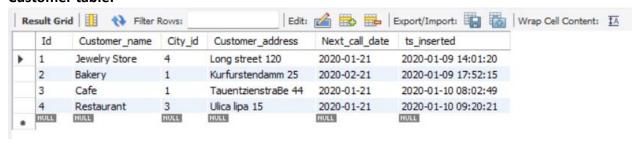
use Assessment;

```
create table city (
Id int primary key auto_increment,
City_name varchar(30) not null,
latitude float not null,
longitude float not null,
coutry id int);
```

INSERT INTO city (City_name, latitude, longitude, coutry_id) VALUES ('Berlin', 52.520008, 13.404954, 1), ('Belgrade', 44.787197, 20.457273, 2), ('Zagreb', 45.815399, 15.966568, 3), ('New york', 40.730610, -73935242, 4), ('Los angeles', 34.052235, -118.243683, 4), ('Warsaw', 52.237049, 21.017532, 5);

select * from city;

→ Customer table:

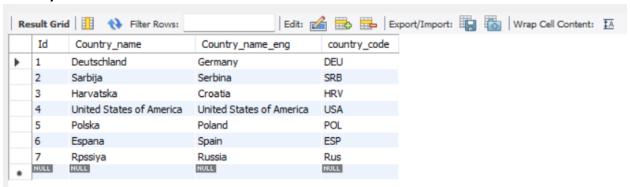


→ Customer table query: create table customer (
Id int primary key auto increment,

```
Customer_name varchar(30) not null,
City_id int not null,
Customer_address varchar(30),
Next_call_date date,
ts_inserted datetime);

insert into customer (Customer_name, City_id, Customer_address, Next_call_date, ts_inserted)
value
('Jewelry Store', 4, 'Long street 120', '2020-01-21', '2020-01-09 14:01:20'),
('Bakery', 1, 'Kurfurstendamm 25', '2020-02-21', '2020-01-09 17:52:15'),
('Cafe', 1, 'TauentzienstraBe 44', '2020-01-21', '2020-01-10 08:02:49'),
('Restaurant', 3, 'Ulica lipa 15', '2020-01-21', '2020-01-10 09:20:21');
```

→ Country table:

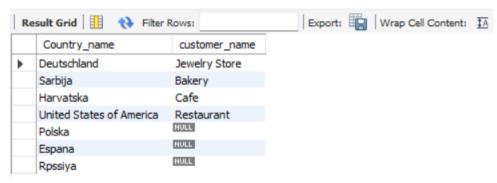


→ Country table query: create table Country (

```
Id int primary key auto_increment,
Country_name varchar(30) not null,
Country_name_eng varchar(30) not null,
country_code varchar(30) not null);
```

```
insert into Country (Country_name, Country_name_eng, country_code) values ('Deutschland', 'Germany', 'DEU'), ('Sarbija', 'Serbina', 'SRB'), ('Harvatska', 'Croatia', 'HRV'), ('United States of America', 'United States of America', 'USA'), ('Polska', 'Poland', 'POL'), ('Espana', 'Spain', 'ESP'), ('Rpssiya', 'Russia', 'Rus');
select * from Country;
```

→ List all Countries and customers related to these countries.



→ Query: select * from country join customer;

select Country_name, customer_name from country left join customer on country.id = customer.id;

→ For each country displaying its name in English, the name of the city customer is located in as well as the name of the customer.



→ Query: SELECT

country.country_name_eng AS Country, city.city_name AS City, customer.Customer_name AS Customer

FROM country

LEFT JOIN city ON country.id = city.id

LEFT JOIN customer ON city.id = customer.City id

ORDER BY country.country name eng, city.city name, customer.Customer name;

→ Return even countries without related cities and customers.



→ Query: SELECT

country.country_name_eng AS Country,
city.city_name AS City,
customer.Customer_name AS Customer
FROM
country
LEFT JOIN city ON country.id = city.coutry_id
LEFT JOIN customer ON city.id = customer.City_id
where city.id is null and customer.id is null;

→ TASK : 2

→ Return the list of all countries that have pairs(exclude countries which are not referenced by any city). For such pairs return all customers.



Re	esult Gr	id 🔢 🙌 Filter Rows:		Export:	Wrap Cell Content:	<u>‡A</u>
	id	country_name_eng	city_id	customer_name		
•	1	Germany	1	Cafe		
	1	Germany	1	Bakery		
	2	Serbina	NULL	NULL		
	3	Croatia	3	Restaurant		
	4	United States of America	4	Jewelry Store		
	5	Poland	NULL	NULL		
	6	Spain	NULL	NULL		

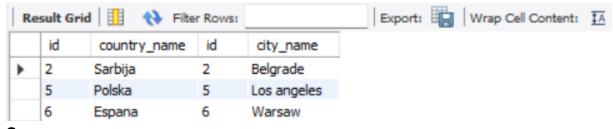
→ Query:

SELECT country.id, country_name_eng, customer.city_id, customer.customer_name FROM country

INNER JOIN city ON country.id = city.id

left JOIN customer ON city.id = customer.city id;

→ Return even pairs of not having a single customer:



→ Query:

select country.id,country_name,city.id,city.city_name from country inner join city on country.id = city.id left join customer on city.id = customer.city_id where customer.id is null;