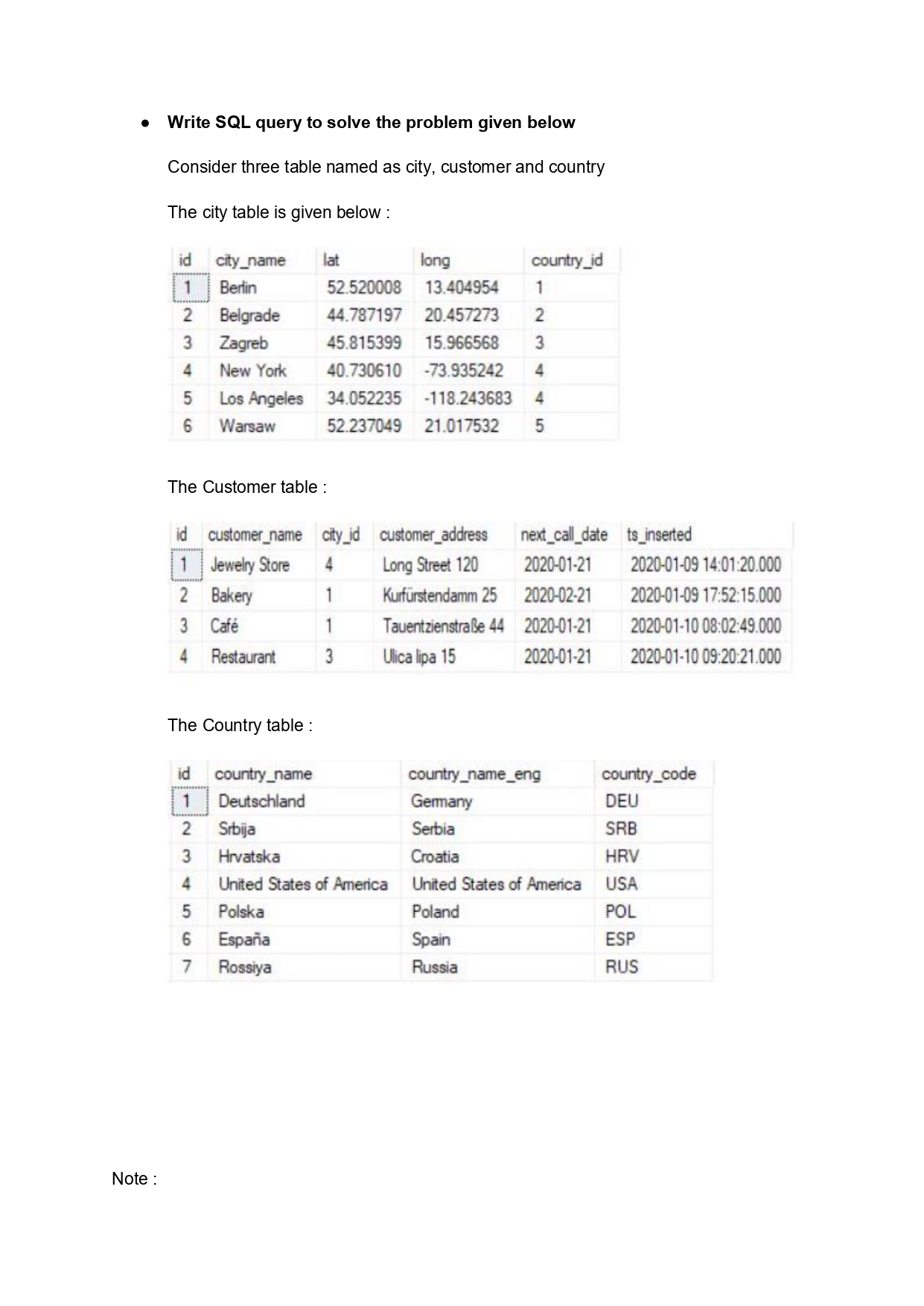
**Assessment :- SQL**



**Task : 1 (join multiple tables using left join)**

1. List all Countries and customers related to these countries:-

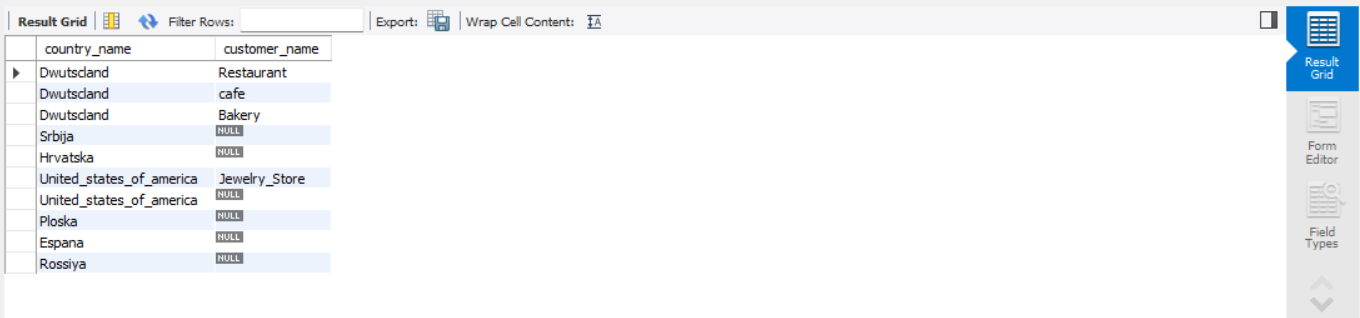
**Ans:-**

select Country.country\_name,Customer.customer\_name

from country

left join City on Country.id = City.country\_id

left join Customer on City.id = Customer.city\_id;

****

1. 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:-

**Ans:-**

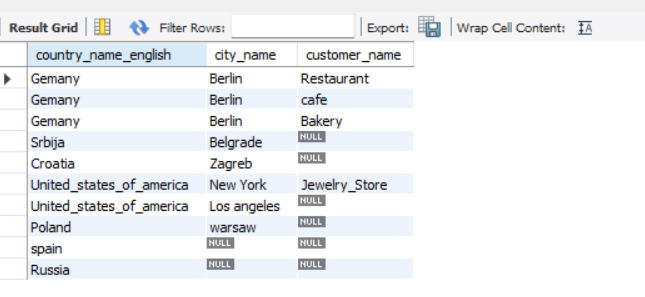
select country.country\_name\_eng as

country\_name\_english,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;



1. Return even countries without related cities and customers:-

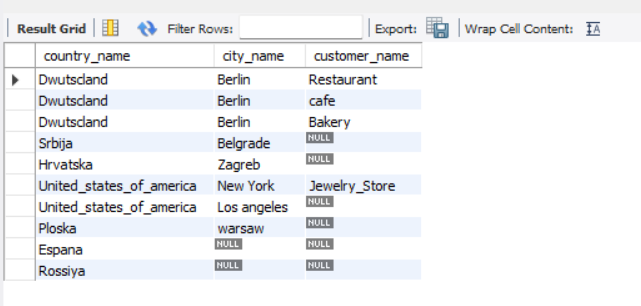
ANS:-

select co.country\_name,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;



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

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

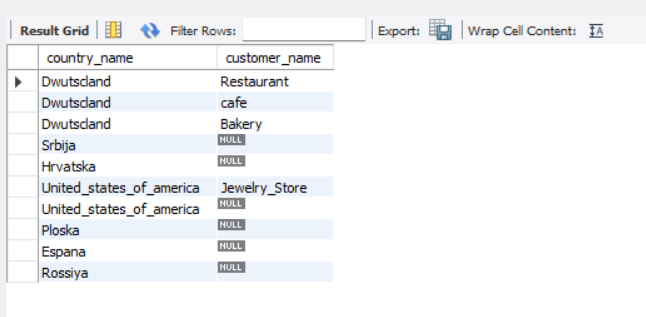
**ANS:-**

select co.country\_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;

****

2.Return even pairs of not having a single customer :-

**ANS:-**

select country.country\_name,country.country\_code,city.city\_name

from country

join city on country.id = city.country\_id

left join customer on city.id = customer.city\_id

where customer.id is null;

