Module 5

Database - Full stack and Back end

Question

● Write SQL query to solve the problem given below Consider three table named as city, customer and country

Note:

● While each city has a related country, not all countries have related cities (Spain & Russia don't have them)

● Same stands for the customers. Each customer has the city_id value defined, but only 3 cities are being used (Berlin, Zagreb & New York)

Now commute the following tasks:

Task 1: (join multiple tables using left join)

List all Countries and customers related to these countries. 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.

Return even countries without related cities and customers.

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

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

Return even pairs of not having a single customer

Make sure to make your code clean neat

Answer

Task 1:

```
SELECT c.country_name_english AS country_name, city.city_name, cust.customer_name
FROM Country c
LEFT  JOIN City city ON c.id = city.country_id
LEFT  JOIN Customer cust ON city.id = cust.city_id
ORDER BY  c.country_name_english;
```

Task 2:

```
SELECT c.country_name_english AS country_name, city.city_name, cust.customer_name
FROM Country c
INNER JOIN City city ON c.id = city.country_id
LEFT JOIN Customer cust ON city.id = cust.city_id
ORDER BY c.country_name_english;
```