SQL Assessment Solutions

Task 1: Join Multiple Tables using LEFT JOIN

List all Countries and customers related to these countries.

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

Return even countries without related cities and customers.

```
SELECT co.country AS country_name,
      ci.city AS city_name,
      cu.customer_name
FROM country co
LEFT JOIN city ci ON co.country_id = ci.country_id
LEFT JOIN customer cu ON ci.city_id = cu.city_id
ORDER BY co.country, ci.city, cu.customer_name;
```

Task 2: Join Multiple Tables using 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 not having a single customer.

```
SELECT co.country AS country_name,
      ci.city AS city_name,
      cu.customer_name
FROM country co
INNER JOIN city ci ON co.country_id = ci.country_id
LEFT JOIN customer cu ON ci.city_id = cu.city_id
ORDER BY co.country, ci.city, cu.customer_name;
```