boxes_shipped

box_id	delivery_date	fk_customer_id	fk_product_id	revenue_eur	country	delivery_week
int	**int**	**int**	**int**	**float**	**string**	**string**
PK						

customers

customer_id	country	customer_since
ind	**string**	**ind**

products

product_id	country	product_name	product_family
int	**string**	**string**	**string**

1) the total amount of boxes delivered along WITH the amount of customers delivered to, per week, country, for the year of 2020

```
SELECT country, delivery week, COUNT( box_id), COUNT( distinct fk_customer_id)
FROM boxes_shipped
WHERE DATE_PART('year', to_date(delivery_week, 'YYYY-WIW')) = ‘2020’
GROUP BY country, delivery week
```

2) What were all the products and their respective product families sold in each country in the first 10 weeks of 2020.

```
WITH boxes_10week  as(
SELECT fk_product_id, country
 FROM boxes_shipped
 WHERE to_date(delivery_week, 'YYYY-WIW') >= to_date(‘2020-W01’, 'YYYY-WIW')
        and to_date(delivery_week, 'YYYY-WIW') < to_date(‘2020-W11’, 'YYYY-WIW')
),

SELECT product_name, product_family, country
FROM products INNER JOIN boxes_10week
ON ( boxes_10week.fk_product_id=products.product_id AND
       boxes_10week.country= products.country)
GROUP BY product_name, product_family, country
```

3) Who were the top 10 customers in each country? based on the revenue they generated? for the year of 2020

```
SELECT fk_customer_id,country,revenue_total
FROM
(SELECT  fk_customer_id,country, SUM(revenue_eur) AS revenue_total
RANK() OVER (PARTITION BY fk_customer_id,country
                    ORDER BY revenue_total DESC ) AS top_revenue
FROM boxes_shipped
WHERE DATE_PART('year', to_date(delivery_date::text, 'YYYYMMDD')) = '2020'
GROUP BY  fk_customer_id,country)
WHERE top_revenue <= 10
```