SQL Queries

① **Top 5 Brands by receipts scanned among users 21 & over**

First of all, I joined users and Transaction datasets on user_id column and then calculated users age who are above 21 and over. Then I counted number of receipts scanned for each brand.

```
Select  p.Brand, cocen (t.receipt_id) As receipts_to_be_scanned
from Transaction_dataset t
join user_dataset u on t.user_id = u.id
join products_dataset p on t.Barcode = P.Barcode
Where TimeSTAMPDIFF (Year, U.Birth_date, corrdate ()) >= 21
Group By P.Brand
Order By receipts_to_be_scanned Desc
limit 5;
```

② **Top 5 Brands by Sales Among users with Account for at least six months.**

here I didnot understand the question. I thought to get all 5 records of sales done in last six months.

```
Select B.Brand, sum (cast (final_sale)) As total sales
from Transaction_dataset limit 5;
```

→ here if I need to get 0 records of top 5 brand by Sales, in which users have their account for atmost six months, then

Select p.Brand, sum (cast (t.final_sale)) as total sales
From Transaction_dataset t
Join User_dataset u on t.user_id = u.id
Join product_dataset p on t.Barcode = P.Barcode
Where DateDiff (Curdate(), u. created_date) >= 180
group By P.Brand
Ordee by total_sales Desc
Limit 5)

③ Leading Brand in Dips & Salsa Category

I took product dataset for Dips & salsa category in category-3
Column, & then Calculated brand with highest sales.

Select p.Brand, Count (t.receipt_id) as Transactions
from transaction_dataset t
Join products_dataset p on t. Barcode = P.Barcode
Where P.category_3 = 'Dips & Salsa'
Group By P.Brand
order By Transactions Desc
Limit 1;