

**Second: Write queries that directly answer predetermined questions from a business stakeholder**

***SQL Query 1: Which brand has the most transactions among users who were created within the past 6 months?***

```
SELECT b.Brand_name, COUNT(DISTINCT r.Receipt_id) AS Transaction_count
FROM Brands b
JOIN Items i ON b.Brand_id = i.Brand_id
JOIN Item_in_Receipt iir ON i.Item_id = iir.Item_id_barcode
JOIN Receipts r ON iir.Receipt_id = r.Receipt_id
JOIN Users u ON r.User_id = u.User_id
WHERE u.Create_date > NOW() - INTERVAL '6 months'
GROUP BY b.Brand_name
ORDER BY Transaction_count DESC
LIMIT 1;
```

***SQL Query 2: Brand with the Most Spend Among Users Created Within the Past 6 Months***

```
SELECT b.Brand_name, SUM(i.Final_price * iir.Quantity_purchased) AS Total_spend
FROM Brands b
JOIN Items i ON b.Brand_id = i.Brand_id
JOIN Item_in_Receipt iir ON i.Item_id = iir.Item_id_barcode
JOIN Receipts r ON iir.Receipt_id = r.Receipt_id
JOIN Users u ON r.User_id = u.User_id
WHERE u.Create_date > NOW() - INTERVAL '6 months'
GROUP BY b.Brand_name
ORDER BY Total_spend DESC
LIMIT 1;
```