IDS Lecture 14: Nested Queries 2 (Subqueries)

Question 1. Id of customers from London who own an account?

```sql
SELECT C.ID
FROM Customer C
WHERE C.City = 'London'
  AND C.ID = ANY (  SELECT A.custID
                    FROM Account A ) ;
```

Question 2. Customers living in a city without a branch?

```sql
SELECT *
FROM Customer C
WHERE C.city <> ALL ( SELECT A.branch
                      FROM Account A ) ;
```

- `<>` `ALL` could be replaced with `NOT IN`

Question 3. Return all the customers if there are some accounts in London?

```sql
SELECT *
FROM Customer C
WHERE EXISTS (  SELECT 1
                FROM Account A
                WHERE A.branch = 'London'
                  AND A.CustID = C.id ) ;
```

Question 4. ID of customers who own an account (living in London)?

```sql
SELECT C.Id
FROM Customer C
WHERE C.City = 'London'
  AND EXISTS (  SELECT *
                FROM Account A
                WHERE A.CustId = C.id ) ;
```