Querying Relational Databases Part 5 Notes

Team Treehouse
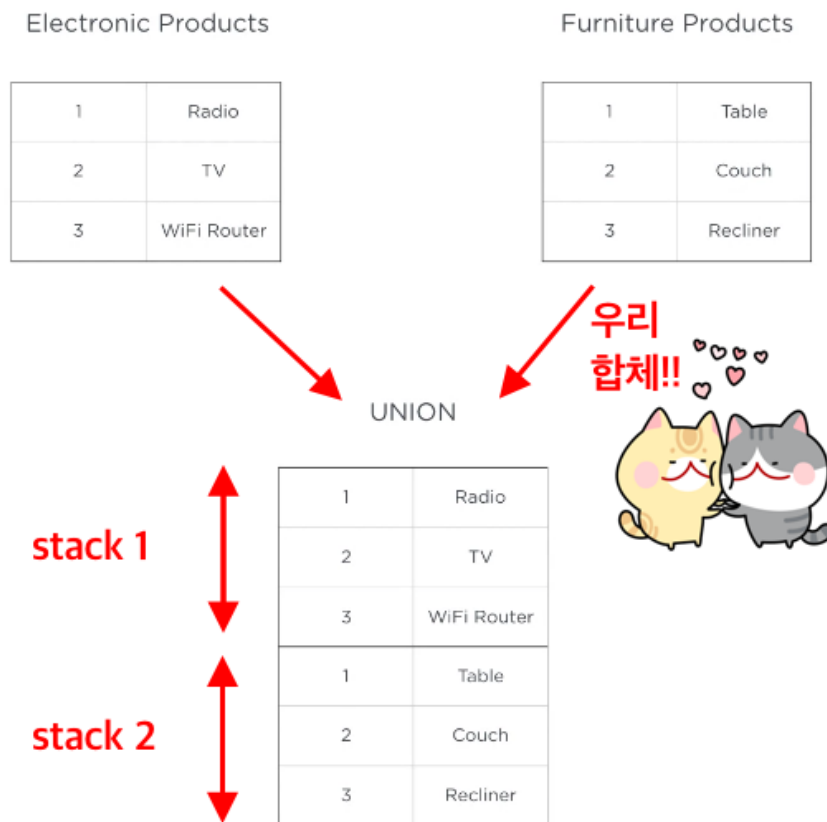
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1 What are Set Operations?

- Combine or limit results using two or more datasets

- has 4 set operations
    - UNION / UNION ALL
    - INTERSET
    - EXCEPT

2 Union Operations

- Stacks data vertically

- has to have matching number of columns

- **Syntax:** *query 1* UNION *query 2*

Example:

```
SELECT MakeID, MakeName FROM Make UNION SELECT ForeignMakeID,
MakeName FROM ForeignMake;
```

Example 2:

```
SELECT MakeID, MakeName FROM Make
    WHERE MakeName < "D"
UNION
SELECT ForeignMakeID, MakeName FROM ForeignMake
    WHERE MakeName < "D"
    ORDER BY MakeName;
```

3   Union All Operations

- Is the same as union but does not eliminate duplicates
- **Syntax:** *query 1* UNION ALL *query 2*

4   Intersect

- Only returns results that exist in both
- Intersection is based on supplied columns
- **Syntax:** *query 1* INTERSECT *query 2*