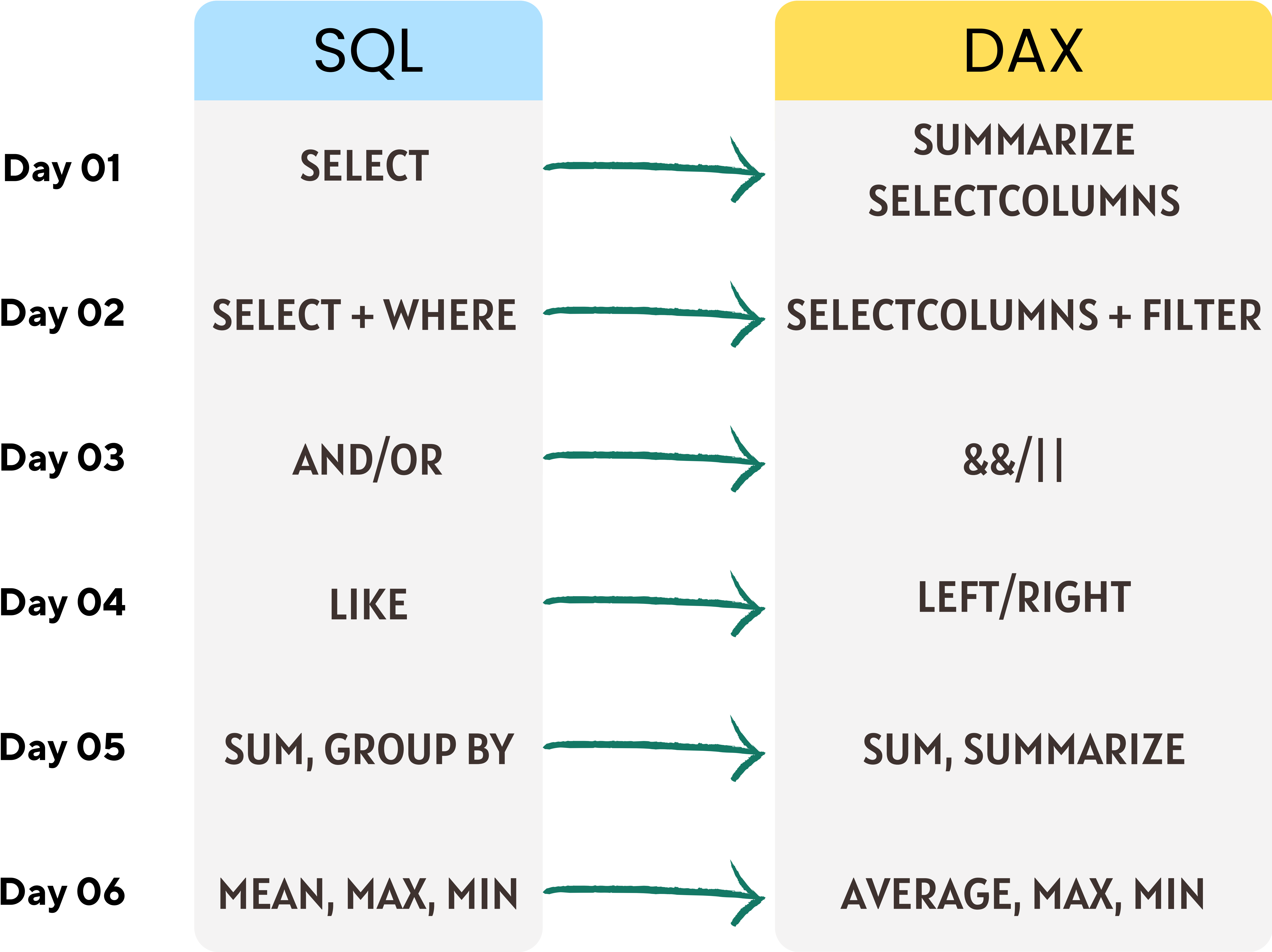


SQL to DAX

- Recap -



SQL to DAX

- Week 1 Recap -

SELECT



SUMMARIZE SELECTCOLUMNS*

SQL

```
SELECT  
column1, column2  
FROM Table;
```



DAX

```
//SELECTCOLUMNS(  
SUMMARIZE(  
    Table,  
    Table[column1],  
    Table[column2]  
)
```

- * **SUMMARIZE** for Grouping data and creating new tables
- * **SELECTCOLUMNS** for Selecting and renaming columns



SQL to DAX

- Applying Filters -

SELECT + WHERE



SELECTCOLUMNS + FILTER

SQL

```
SELECT  
column1, column2  
FROM Table  
WHERE column1=5;
```



DAX

```
SELECTCOLUMNS(  
    FILTER(Table,  
        Table[column1] = 5  
    ),  
    "column1", Table[column1],  
    "column2", Table[column2]  
)
```



SQL to DAX

- Applying Filters - AND/OR

AND/OR



&&/||

SQL

```
SELECT  
column1, column2  
FROM Table  
WHERE column2=5  
AND column2=100  
OR column2=999;
```



DAX

```
//  
//  
//  
//  
//  
&& Table[column2] = 100  
|| Table[column2] = 999
```



SQL to DAX

- Applying Filters - LIKE

LIKE



LEFT/RIGHT *

SQL

```
SELECT  
column1, column2  
FROM Table  
WHERE column2 LIKE 'abc%';
```



DAX

```
//  
//  
//  
LEFT(Table[column2], 3) =  
"abc" )
```

- * **LEFT/RIGHT(<text>, <num_chars>):**
This function is used to check if the beginning/end of column2 matches the string <text>.



SQL to DAX

- SUM aggregations -

SUM
GROUP BY

SQL

```
SELECT  
column1, SUM(column2)  
FROM Table  
GROUP BY column1;
```



SUM *
SUMMARIZE *

DAX

```
SUMMARIZE(  
    Table,  
    Table[column1],  
    "Sum of column2",  
    SUM(Table[column2])  
)
```

- * **SUM(Table[column2])** is the aggregation function used to sum the values of column2 for each group of column1.
- * **GROUP BY** is inherently handled by functions like **SUMMARIZE** and **SUMMARIZECOLUMNS**.



SQL to DAX

- Mean, Min, and Max aggregations -

MEAN

MAX

MIN



AVERAGE

MAX

MIN

SQL

```
SELECT  
column1,  
MEAN(column2),  
MAX(column2),  
MIN(column2)  
FROM Table;
```



DAX

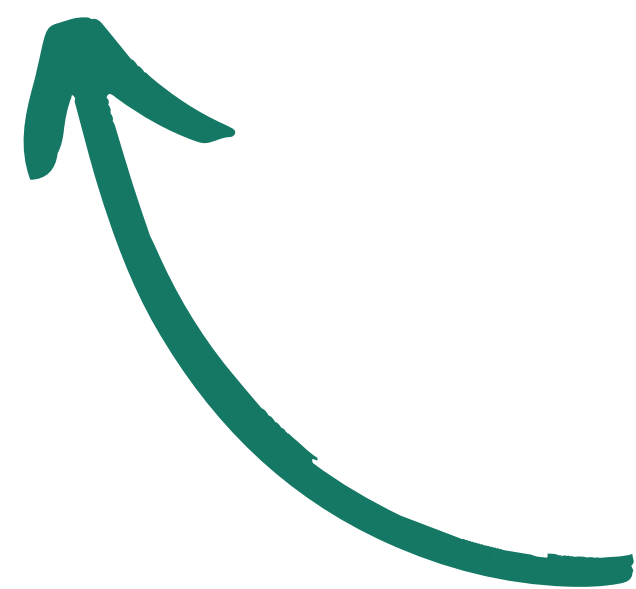
```
SUMMARIZE(  
    Table,  
    Table[column1],  
    AVERAGE('Table'[column2]),  
    MAX('Table'[column2]),  
    MIN('Table'[column2])  
)
```



FOR MORE TIPS!



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