

SQL Introduction

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SQL SELECT (I)

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SQL SELECT

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SQL AND, OR, NOT

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SQL SELECT DISTINCT

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SQL SELECT AS

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SQL LIMIT, TOP, FETCH FIRST

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Related Topics

SQL SELECT

SQL IN Operator

SQL LIKE and NOT LIKE Operators

SQL LIMIT, TOP and FETCH FIRST

SQL ORDER BY Clause

SQL Wildcards

SQL AND, OR, and NOT Operators

In this tutorial, we'll learn to use the AND, OR, and NOT operators in SQL with the help of various examples.

The `AND`, `OR` and `NOT` operators in SQL are used with the `WHERE` or `HAVING` clauses.

SQL AND Operator

The SQL `AND` operator selects data if all conditions are `TRUE`. For example,

```
SELECT first_name, last_name
FROM Customers
WHERE country = 'USA' AND last_name = 'Doe';
```

Run Code >>

Here, the SQL command selects `first_name` and `last_name` of all customers where the `country` is **USA** and `last_name` as **Doe** from the `Customers` table.



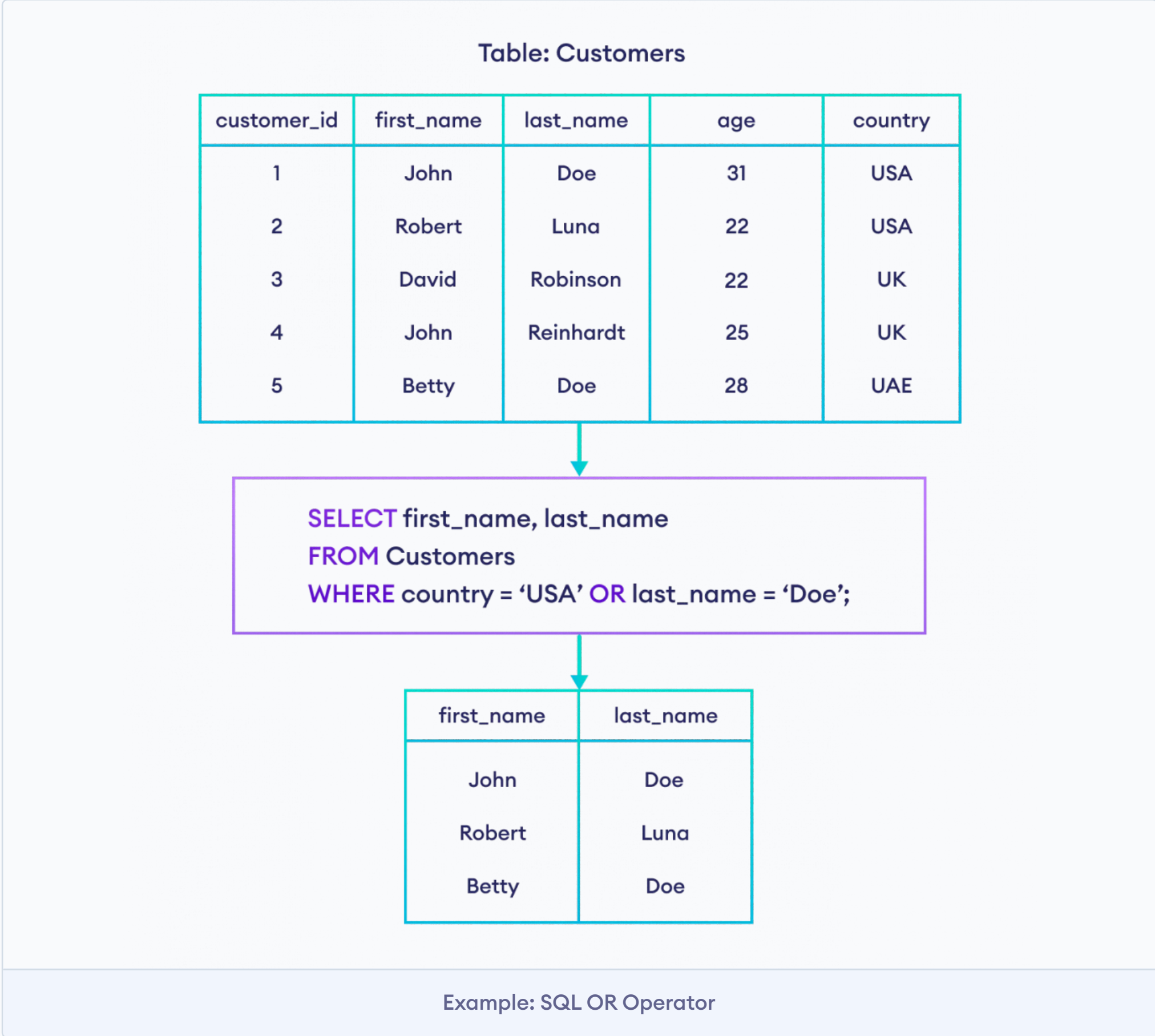
SQL OR Operator

The SQL `OR` operator selects data if any one condition is `TRUE`. For example,

```
SELECT first_name, last_name
FROM Customers
WHERE country = 'USA' OR last_name = 'Doe';
```

Run Code >>

Here, the SQL command selects `first_name` and `last_name` of all customers where the `country` is **USA** or if their last name is **Doe** from the `Customers` table.



SQL NOT Operator

The SQL `NOT` operator selects data if the given condition is `FALSE`. For example

```
SELECT first_name, last_name
FROM Customers
WHERE NOT country = 'USA';
```

Run Code >>

Here, the SQL command selects `first_name` and `last_name` of all customers where the `country` is not **USA** from the `Customers` table.



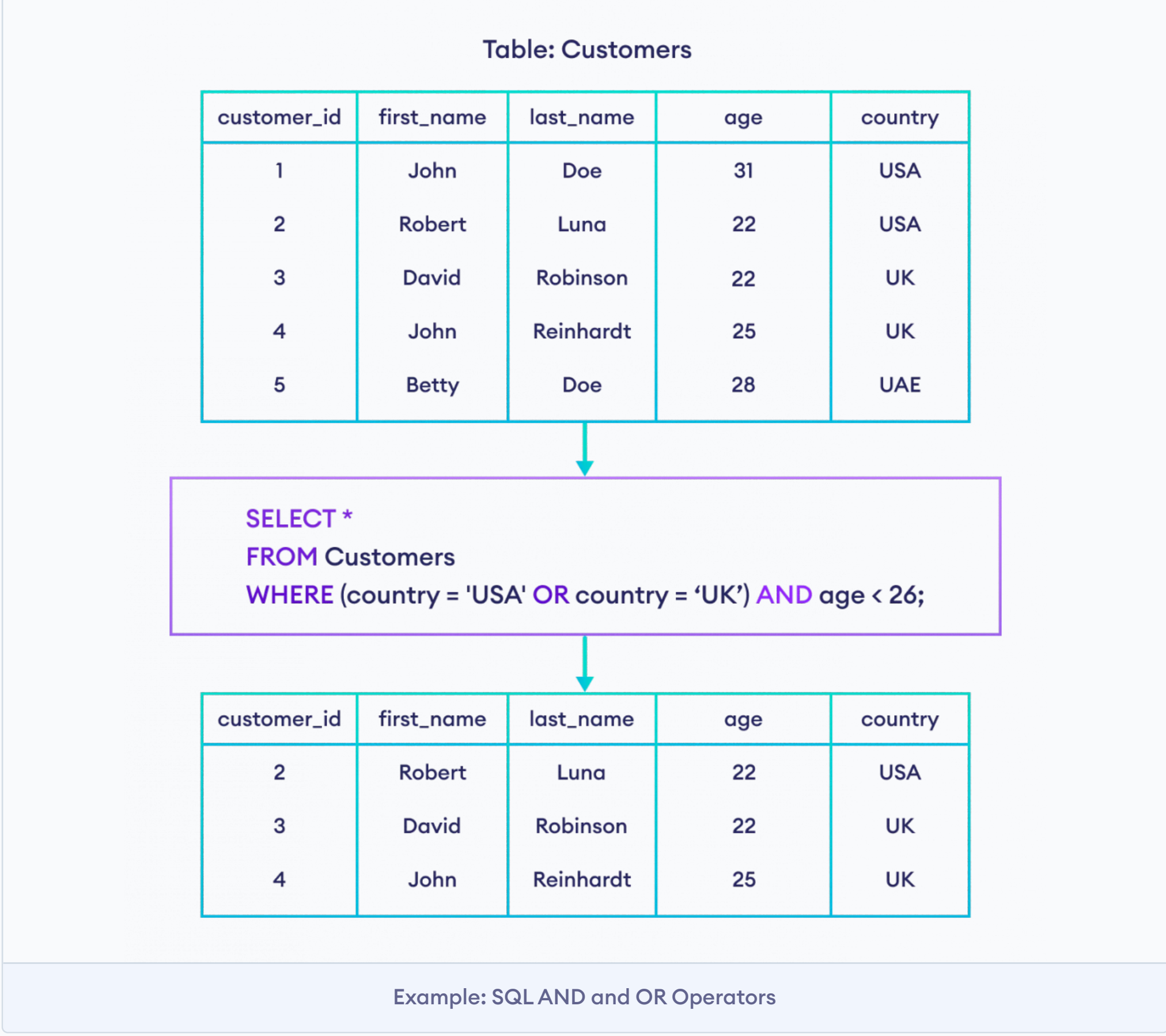
Combining Multiple Operators

It is also possible to combine multiple `AND`, `OR` and `NOT` operators in an SQL statement. For example,

Let's suppose we want to select customers where the `country` is either **USA** or **UK**, and the `age` is **less than 26**.

```
SELECT *
FROM Customers
WHERE (country = 'USA' OR country = 'UK') AND age < 26;
```

Run Code >>



Let's take a look at another example

```
SELECT *
FROM Customers
WHERE NOT country = 'USA' AND NOT last_name = 'Doe';
```

Run Code >>

Here, the SQL command selects all customers where the `country` is not **USA** and `last_name` is not **Doe** from the `Customers` table.



Previous Tutorial:

[SQL SELECT Statement](#)

Next Tutorial:

[SQL SELECT DISTINCT](#)

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