



# Day 10

## MySQL IF() Function





# IF () Function

- MySQL **IF()** function that returns a value based on a given condition.
- The **IF()** function returns a value if a condition is **TRUE**, or another value if a condition is **FALSE**.

\*Note : MySQL has an IF Statement that is different from the IF() function mentioned above.



# General Syntax :

```
IF(condition, value_if_true,  
value_if_false)
```

## Parameter Values -

***condition*** : The value to test

***value\_if\_true*** : The value to return if *condition* is TRUE

***value\_if\_false*** : The value to return if *condition* is FALSE



# Use Case Example 1:

To output 'N/A' if the state is NULL using the IF() function

Query :

```
SELECT
    customerNumber,
    customerName,
    IF(state IS NULL, 'N/A', state) AS state
FROM
    customers;
```

Output :

	customerNumber	customerName	state
▶	103	Atelier graphique	N/A
	112	Signal Gift Stores	NV
	114	Australian Collectors, Co.	Victoria
	119	La Rochelle Gifts	N/A
	121	Baane Mini Imports	N/A
	124	Mini Gifts Distributors Ltd.	CA
	125	Havel & Zbyszek Co	N/A
	128	Blauer See Auto, Co.	N/A
	129	Mini Wheels Co.	CA
	131	Land of Toys Inc.	NY
	141	Euro+ Shopping Channel	N/A



## Use Case Example 2 : (IF function with aggregate functions)

To know how many orders have been shipped and cancelled

**Query :**

```
SELECT
    SUM(IF(status = 'Shipped', 1, 0)) AS Shipped,
    SUM(IF(status = 'Cancelled', 1, 0)) AS Cancelled
FROM
    orders;
```

**Output :**

	Shipped	Cancelled
▶	303	6