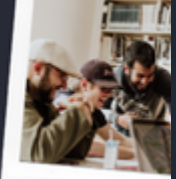


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MySQL NULL Functions

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MySQL IFNULL() and COALESCE() Functions

Look at the following "Products" table:

P_Id	ProductName	UnitPrice	UnitsInStock	UnitsOnOrder
1	Jarlsberg	10.45	16	15
2	Mascarpone	32.56	23	
3	Gorgonzola	15.67	9	20

Suppose that the "UnitsOnOrder" column is optional, and may contain NULL values.

Look at the following SELECT statement:

```
SELECT ProductName, UnitPrice * (UnitsInStock + UnitsOnOrder)
FROM Products;
```

In the example above, if any of the "UnitsOnOrder" values are NULL, the result will be NULL.

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The MySQL `IFNULL()` function lets you return an alternative value if an expression is NULL.

The example below returns 0 if the value is NULL:

```
SELECT ProductName, UnitPrice * (UnitsInStock +  
IFNULL(UnitsOnOrder, 0))  
FROM Products;
```

MySQL COALESCE() Function

Or we can use the `COALESCE()` function, like this:

```
SELECT ProductName, UnitPrice * (UnitsInStock +  
COALESCE(UnitsOnOrder, 0))  
FROM Products;
```

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