





94	55	1,700
35	217,500	99.99%
		—

94 15700

## LEFT JOIN

LEFT JOIN + IS NULL Stack Overflow

SQL:1999 EXCEPT NOT EXISTS CTE LEFT JOIN + IS NULL

" " " "

LEFT JOIN EXCEPT

## NOT EXISTS

```
SELECT p.product_id, p.product_name, p.category_id
FROM products p
WHERE p.status = 'active'
AND p.created_at >= '2023-01-01'
AND NOT EXISTS (
  SELECT 1 FROM discontinued_products dp
  WHERE dp.product_id = p.product_id
  AND dp.category_id = p.category_id
);
```

NOT EXISTS MariaDB MySQL LEFT JOIN

## NOT IN NULL

```
SELECT product_id, product_name, category_id
FROM products
WHERE status = 'active'
```

```

AND created_at >= '2023-01-01'
AND (product_id, category_id) NOT IN (
  SELECT product_id, category_id
  FROM discontinued_products
);

```

NOT IN [ ] NULL [ ] discontinued\_products.product\_id [ ] NULL [ ] NOT IN [ ] NULL [ ] NOT EXISTS [ ]

## EXCEPT [ ]

```

SELECT product_id, category_id FROM products
WHERE status = 'active' AND created_at >= '2023-01-01'
EXCEPT
SELECT product_id, category_id FROM discontinued_products;

```

EXCEPT [ ] "A [ ] B" [ ] — [ ] CTE [ ] JOIN [ ]

[ ]

[ ] hint [ ] [ ]

LEFT JOIN + IS NULL [ ] EXCEPT [ ] [ ]

[ ]

[Medium](#)