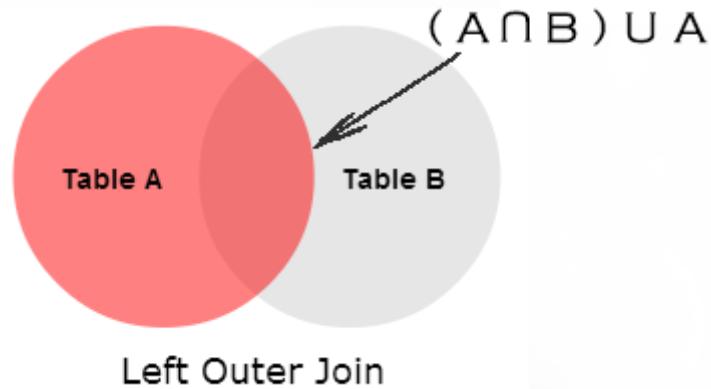


SQL LEFT JOIN

SQL LEFT JOIN (SQL LEFT OUTER JOIN) always contains all records of left table (Table A) even if join condition does not find any matching record in right table (Table B).

SQL OUTER JOIN - OUTER JOIN is a join two table involving common attributes from two tables. But table (Table A) does not require to have a matching value to other table (Table B).



Example Table

Considering following SQL left join example, `category`, `product` is our example table.

<pre>SQL> SELECT * FROM category;</pre>	<pre>SQL> SELECT * FROM product;</pre>																												
<table><thead><tr><th>CATEGORY_ID</th><th>CATEGORY_NAME</th></tr></thead><tbody><tr><td>1</td><td>Mobiles</td></tr><tr><td>2</td><td>Laptops</td></tr><tr><td>3</td><td>Laptops</td></tr><tr><td>4</td><td>Cameras</td></tr><tr><td>5</td><td>Gaming</td></tr></tbody></table>	CATEGORY_ID	CATEGORY_NAME	1	Mobiles	2	Laptops	3	Laptops	4	Cameras	5	Gaming	<table><thead><tr><th>CATEGORY_ID</th><th>PRODUCT_NAME</th></tr></thead><tbody><tr><td>1</td><td>Nokia</td></tr><tr><td>1</td><td>Samsung</td></tr><tr><td>2</td><td>HP</td></tr><tr><td>2</td><td>Dell</td></tr><tr><td>3</td><td>Apple</td></tr><tr><td>4</td><td>Nikon</td></tr><tr><td>Null</td><td>Playstation</td></tr></tbody></table>	CATEGORY_ID	PRODUCT_NAME	1	Nokia	1	Samsung	2	HP	2	Dell	3	Apple	4	Nikon	Null	Playstation
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3	Apple																												
4	Nikon																												
Null	Playstation																												

Run it... »

[Example](#)

```
SQL> SELECT *
      FROM product LEFT OUTER JOIN category
      ON product.category_id = category.category_id;
```

CATEGORY_ID	PRODUCT_NAME	CATEGORY_ID	CATEGORY_NAME
1	Samsung	1	Mobiles
1	Nokia	1	Mobiles
2	Dell	2	Laptops
2	HP	2	Laptops
3	Apple	3	Tablet
4	Nikon	4	Cameras
NULL	Playstation	NULL	NULL

7 rows selected.

Run it... »

Following is alternative syntax result produce same as above,

Example

```
SQL> SELECT *
      FROM product, category
      WHERE product.category_id = category.category_id(+);
```

CATEGORY_ID	PRODUCT_NAME	CATEGORY_ID	CATEGORY_NAME
1	Samsung	1	Mobiles
1	Nokia	1	Mobiles
2	Dell	2	Laptops
2	HP	2	Laptops
3	Apple	3	Tablet
4	Nikon	4	Cameras
NULL	Playstation	NULL	NULL

7 rows selected.