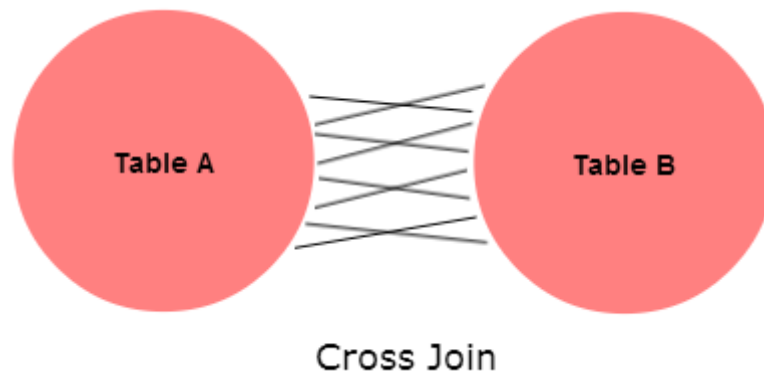


SQL CROSS JOIN

SQL CROSS JOIN joining tables rows and return Cartesian product(each row from Table A with each row of Table B) record set result.



SQL CROSS JOIN write two different way:

- [Explicit Cross Join and](#)
- [Implicit Cross Join](#)

Example Table

Considering following `category` , `product` is our example table.

SQL> <code>SELECT * FROM category;</code>		SQL> <code>SELECT * FROM product;</code>	
CATEGORY_ID	CATEGORY_NAME	CATEGORY_ID	PRODUCT_NAME
1	Mobiles	1	Nokia
2	Laptops	1	Samsung
3	Laptops	2	HP
4	Cameras	2	Dell
5	Gaming	3	Apple
		4	Nikon
		Null	Playstation

Run it... »

Explicit Example

```
SQL> SELECT *  
      FROM product  
      CROSS JOIN category;
```

CATEGORY_ID	PRODUCT_NAME	CATEGORY_ID	CATEGORY_NAME
1	Nokia	1	Mobiles
1	Samsung	1	Mobiles
2	HP	1	Mobiles
2	Dell	1	Mobiles
3	Apple	1	Mobiles
4	Nikon	1	Mobiles
NULL	Playstation	1	Mobiles
1	Nokia	2	Laptops
1	Samsung	2	Laptops
2	HP	2	Laptops
2	Dell	2	Laptops
3	Apple	2	Laptops
4	Nikon	2	Laptops
NULL	Playstation	2	Laptops
1	Nokia	3	Tablet
1	Samsung	3	Tablet
2	HP	3	Tablet
2	Dell	3	Tablet
3	Apple	3	Tablet
4	Nikon	3	Tablet
NULL	Playstation	3	Tablet
1	Nokia	4	Cameras
1	Samsung	4	Cameras
2	HP	4	Cameras
2	Dell	4	Cameras
3	Apple	4	Cameras
4	Nikon	4	Cameras
NULL	Playstation	4	Cameras
1	Nokia	5	Gaming
1	Samsung	5	Gaming
2	HP	5	Gaming
2	Dell	5	Gaming
3	Apple	5	Gaming
4	Nikon	5	Gaming
NULL	Playstation	5	Gaming

35 rows selected.

Run it... »

Implicit Example

```
SQL> SELECT *
      FROM product, category;
```

CATEGORY_ID	PRODUCT_NAME	CATEGORY_ID	CATEGORY_NAME
1	Nokia	1	Mobiles
1	Samsung	1	Mobiles
2	HP	1	Mobiles
2	Dell	1	Mobiles
3	Apple	1	Mobiles
4	Nikon	1	Mobiles
NULL	Playstation	1	Mobiles
1	Nokia	2	Laptops
1	Samsung	2	Laptops
2	HP	2	Laptops
2	Dell	2	Laptops
3	Apple	2	Laptops
4	Nikon	2	Laptops
NULL	Playstation	2	Laptops
1	Nokia	3	Tablet
1	Samsung	3	Tablet
2	HP	3	Tablet
2	Dell	3	Tablet
3	Apple	3	Tablet
4	Nikon	3	Tablet
NULL	Playstation	3	Tablet
1	Nokia	4	Cameras
1	Samsung	4	Cameras
2	HP	4	Cameras
2	Dell	4	Cameras
3	Apple	4	Cameras
4	Nikon	4	Cameras
NULL	Playstation	4	Cameras
1	Nokia	5	Gaming
1	Samsung	5	Gaming
2	HP	5	Gaming
2	Dell	5	Gaming
3	Apple	5	Gaming
4	Nikon	5	Gaming
NULL	Playstation	5	Gaming

35 rows selected.