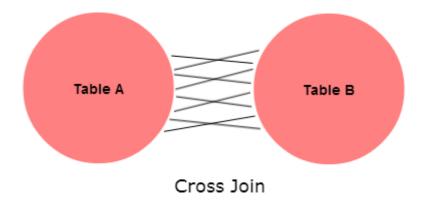
SQL CROSS JOIN

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> SELECT * FROM category;			
CATEGORY_ID	CATEGORY_NAME		
1	Mobiles		
2	Laptops		
3	Laptops		
4	Cameras		
5	Gaming		

PRODUCT_NAME
Nokia
Samsung
HP
Dell
Apple
Nikon
Playstation

Run it... »

```
SQL> SELECT *
    FROM product
    CROSS JOIN category;
CATEGORY_ID PRODUCT_NAME CATEGORY_ID CATEGORY_NAME
                                                 1 Mobiles
          1 Nokia
          1 Samsung
                                                1 Mobiles
          2 HP
                                                 1 Mobiles
          2 Dell
                                                 1 Mobiles
          3 Apple
                                                 1 Mobiles
          4 Nikon
                                                 1 Mobiles
       NULL Playstation
                                                1 Mobiles
                                                 2 Laptops
          1 Nokia
          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
                                                 4 Cameras
          3 Apple
          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
                                                 5 Gaming
       NULL Playstation
35 rows selected.
                                 Run it... »
```

SQL> SELECT * FROM product, category;

CATEGORY_ID PRODUCT_NAME

CATEGORY_ID CATEGORY_NAME

_		_	_
1	Nokia	1	Mobiles
	Samsung		Mobiles
	HP	1	Mobiles
	Dell	1	Mobiles
3	Apple	1	Mobiles
	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		Tablet
	HP		Tablet
2	Dell		Tablet
	Apple		Tablet
	Nikon		Tablet
	Playstation		Tablet
1	Nokia		Cameras
	Samsung		Cameras
	HP		Cameras
	Dell		Cameras
	Apple		Cameras
	Nikon		Cameras
	Playstation		Cameras
	Nokia		Gaming
	Samsung		Gaming
	HP		Gaming
	Dell		Gaming
	Apple		Gaming
	Nikon		Gaming
NULL	Playstation	5	Gaming

35 rows selected.