Suppose we have the following 2 relations below:

A

Num	Square
1	1
2	4
3	9

B

Num	Cube
2	8
3	27
4	64

Natural Join:

A ⋈ B will get us the relation:

Num	Square	Cube
2	4	8
3	9	27

Left Join:

A ⋈$_L$ B will get us the relation:

Num	Square	Cube
1	1	Null
2	4	8
3	9	27

Right Join:

A ⋈$_R$ B will get us the relation:

Num	Square	Cube
2	4	8
3	9	27
4	Null	64

Full Outer Join:

A $\bowtie_O$ B will get us the relation:

Num	Square	Cube
1	1	Null
2	4	8
3	9	27
4	Null	64

Cartesian Join:

A X B will get us the relation:

A.num	A.square	B.num	B.cube
1	1	2	8
1	1	3	27
1	1	4	64
2	4	2	8
2	4	3	27
2	4	4	64
3	9	2	8
3	9	3	27
3	9	4	64