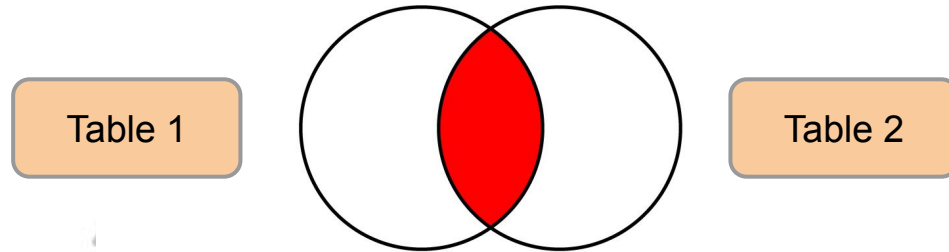
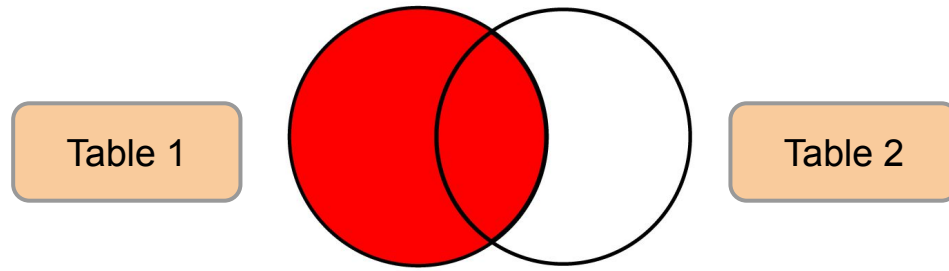


Joins in SQL







Inner Join

Left Join

Right Join

Full Outer Join

Cross Join

Self Join

Thank You!





Inner Join



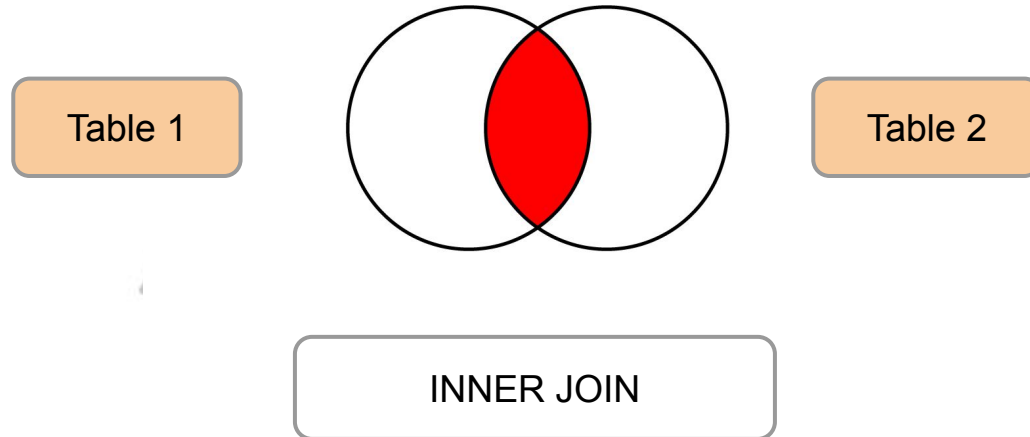


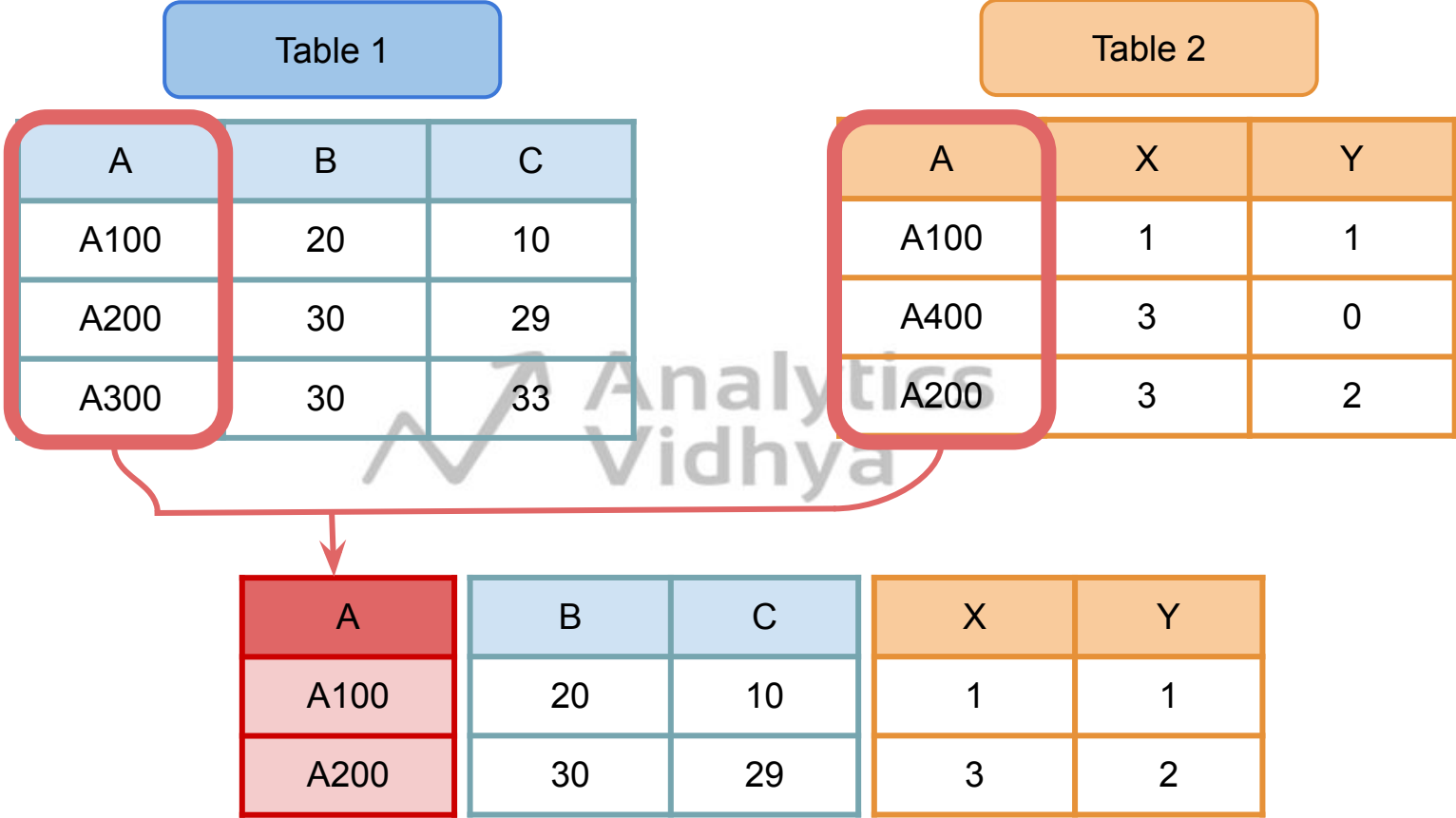
Table 1

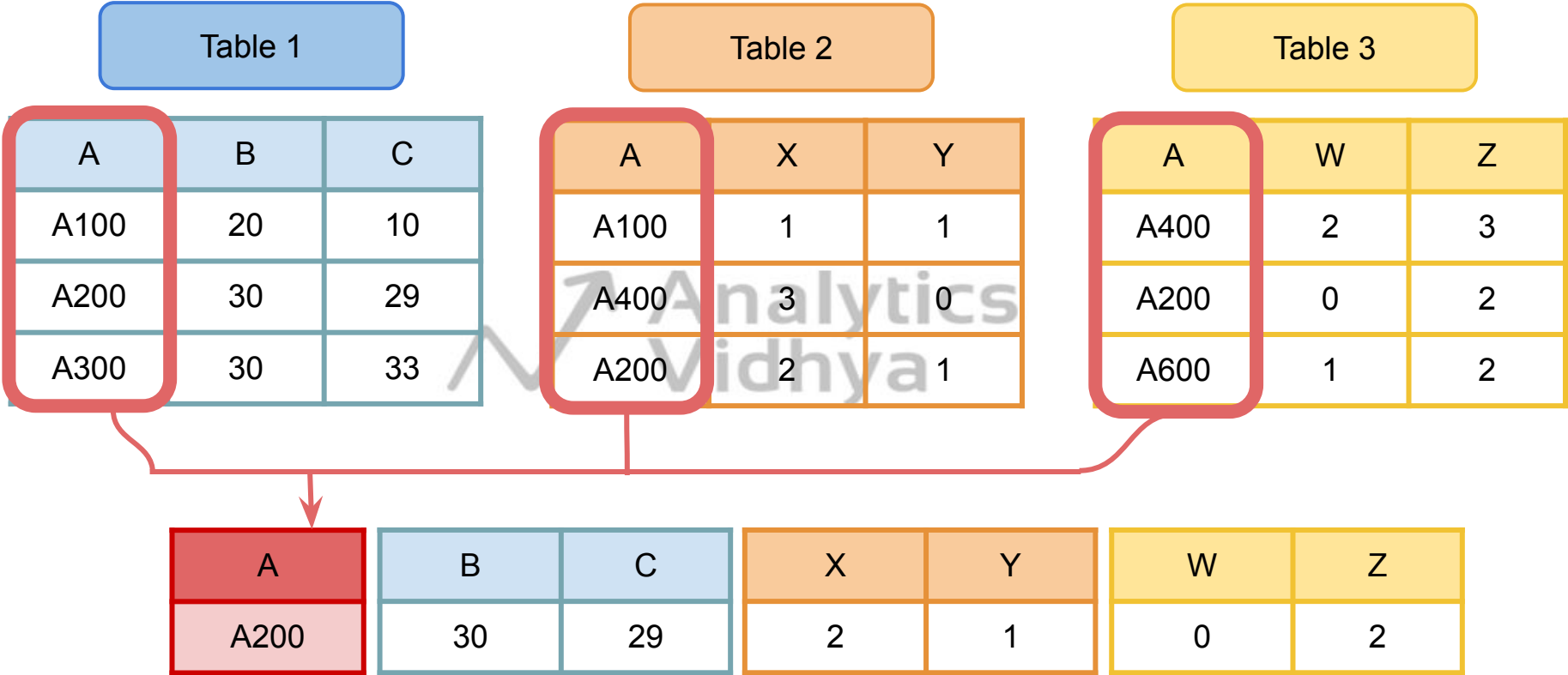
A	B	C
A100	20	10
A200	30	29
A300	30	33

Table 2

A	X	Y
A100	1	1
A400	3	0
A200	3	2

INNER JOIN





Syntax of Inner Join

A	B	C
A100	20	10
A200	30	29
A300	30	33

A	X	Y
A100	1	1
A400	3	0
A200	3	2

INNER JOIN

SELECT

[Table Name] . [Column Name]

FROM

TABLE 1

INNER JOIN

TABLE 2

ON

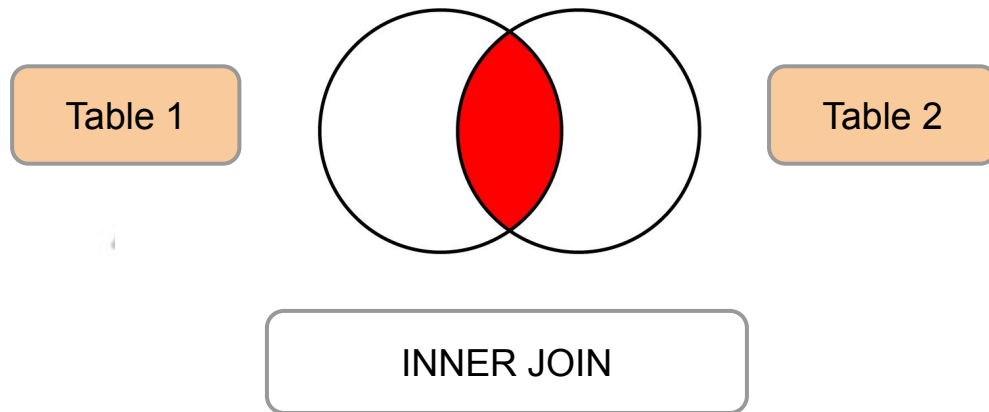
Table 1 . A = Table 2 . A

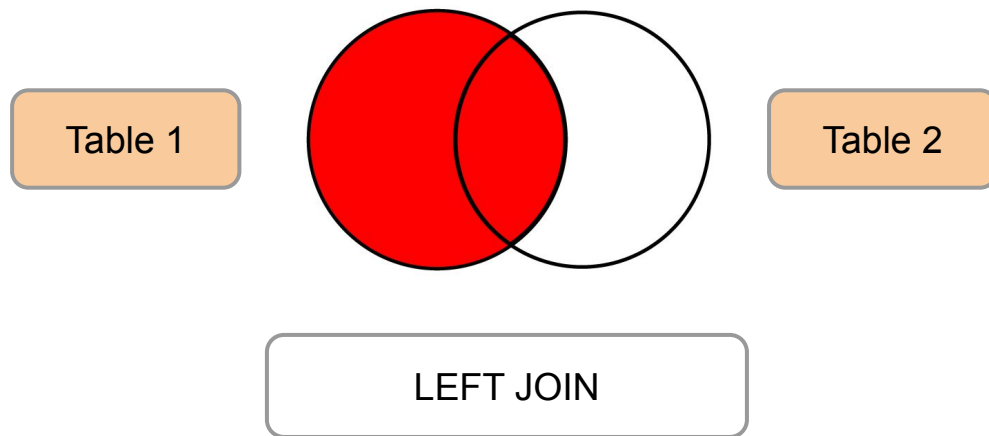
Thank You!



Left Join







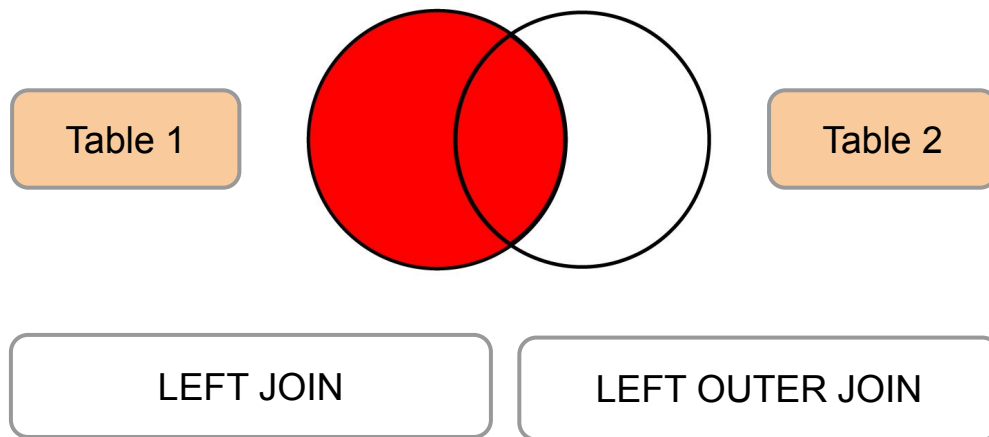


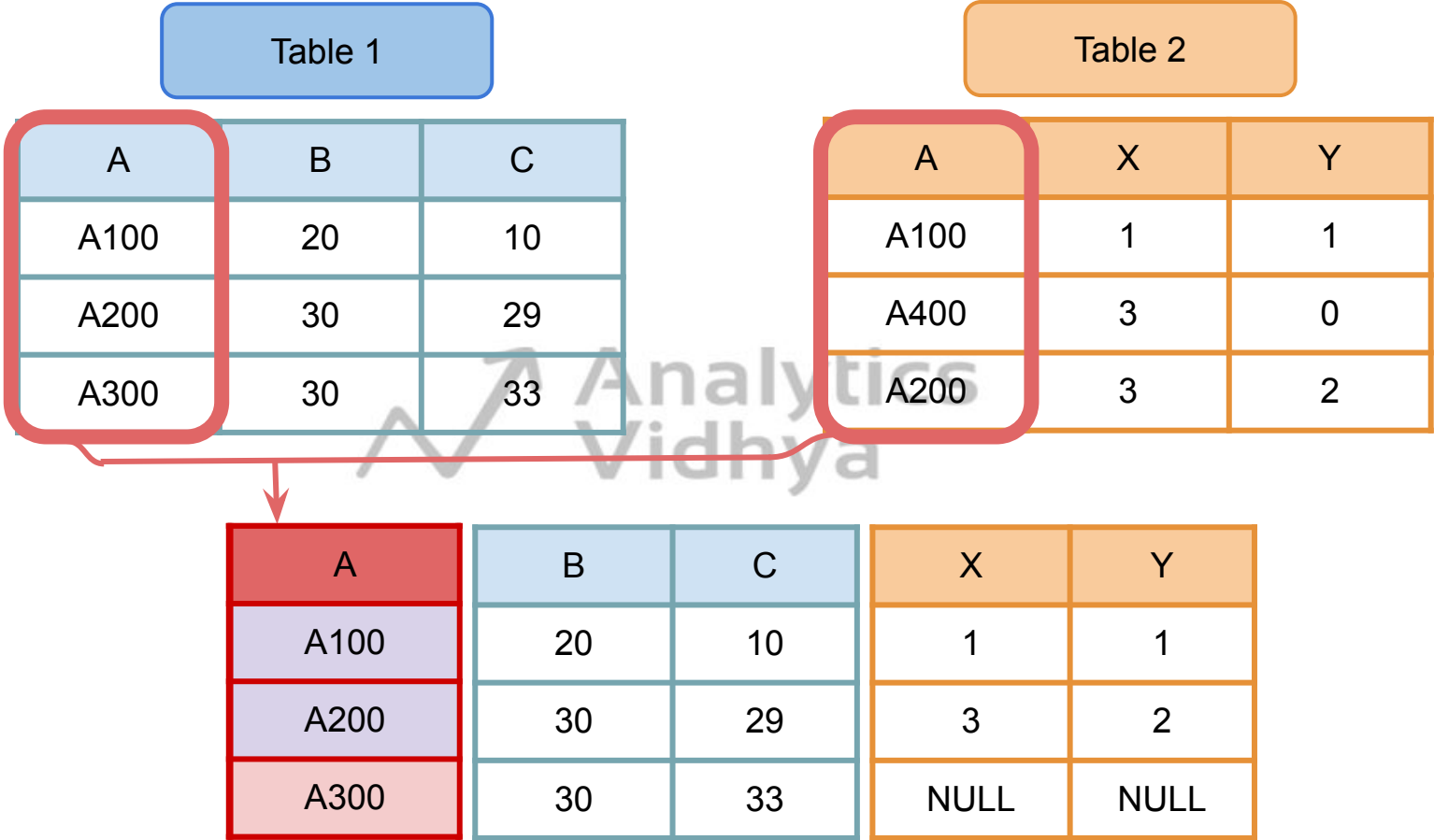
Table 1

A	B	C
A100	20	10
A200	30	29
A300	30	33

Table 2

A	X	Y
A100	1	1
A400	3	0
A200	3	2

LEFT JOIN



Left Join

Table 1

A	B	C
A100	20	10
A200	30	29
A300	30	33

Table 2

A	X	Y
A100	1	1
A400	3	0
A200	2	1

Table 3

A	W	Z
A400	2	3
A200	0	2
A600	1	2

A	B	C	X	Y	W	Z
A100	20	10	1	1	NULL	NULL
A200	30	29	2	1	0	2
A300	30	33	NULL	NULL	NULL	NULL

Syntax of Left Join

A	B	C
A100	20	10
A200	30	29
A300	30	33

A	X	Y
A100	1	1
A400	3	0
A200	3	2

LEFT JOIN

SELECT

[Table Name] . [Column Name]

FROM

TABLE 1

LEFT JOIN

TABLE 2

ON

Table 1 . A = Table 2 . A

Thank You!



Right Join



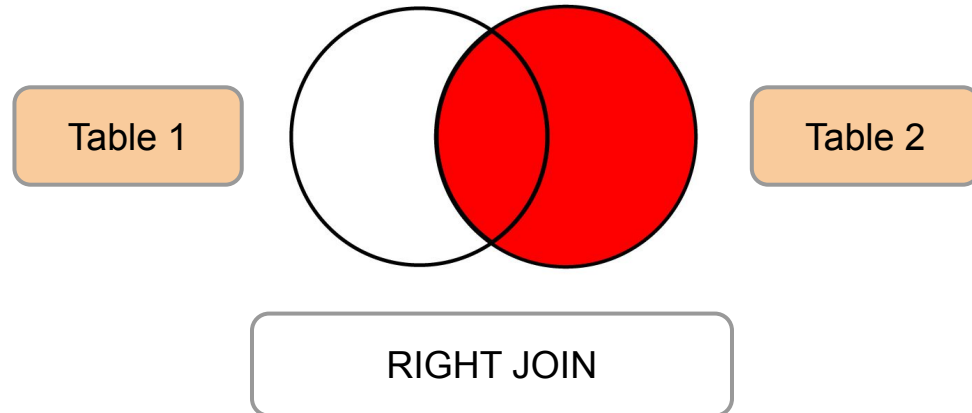


Table 1

A	B	C
A100	20	10
A200	30	29
A300	30	33

Table 2

A	X	Y
A100	1	1
A400	3	0
A200	3	2

RIGHT JOIN

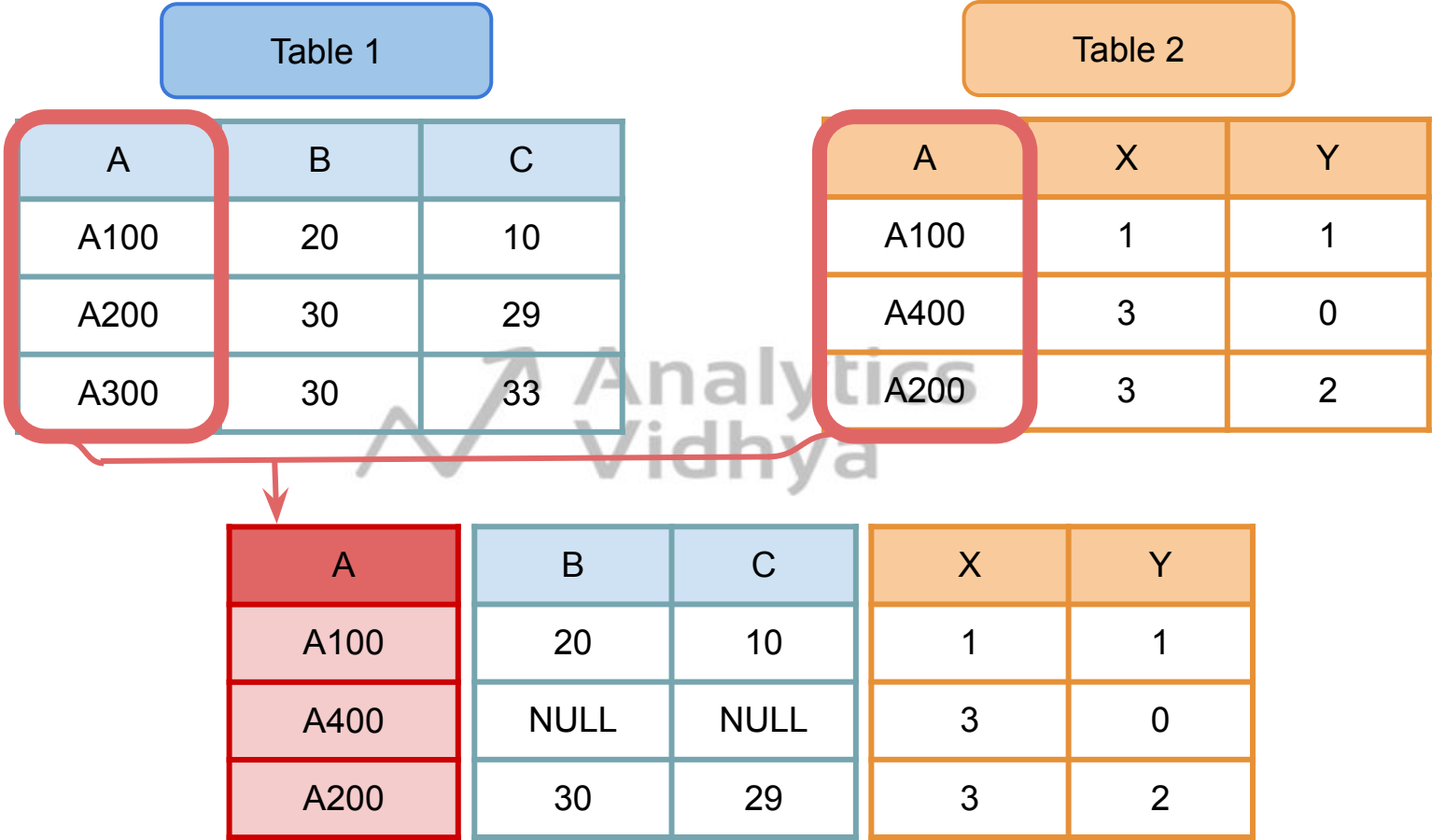


Table 1

A	B	C
A100	20	10
A200	30	29
A300	30	33

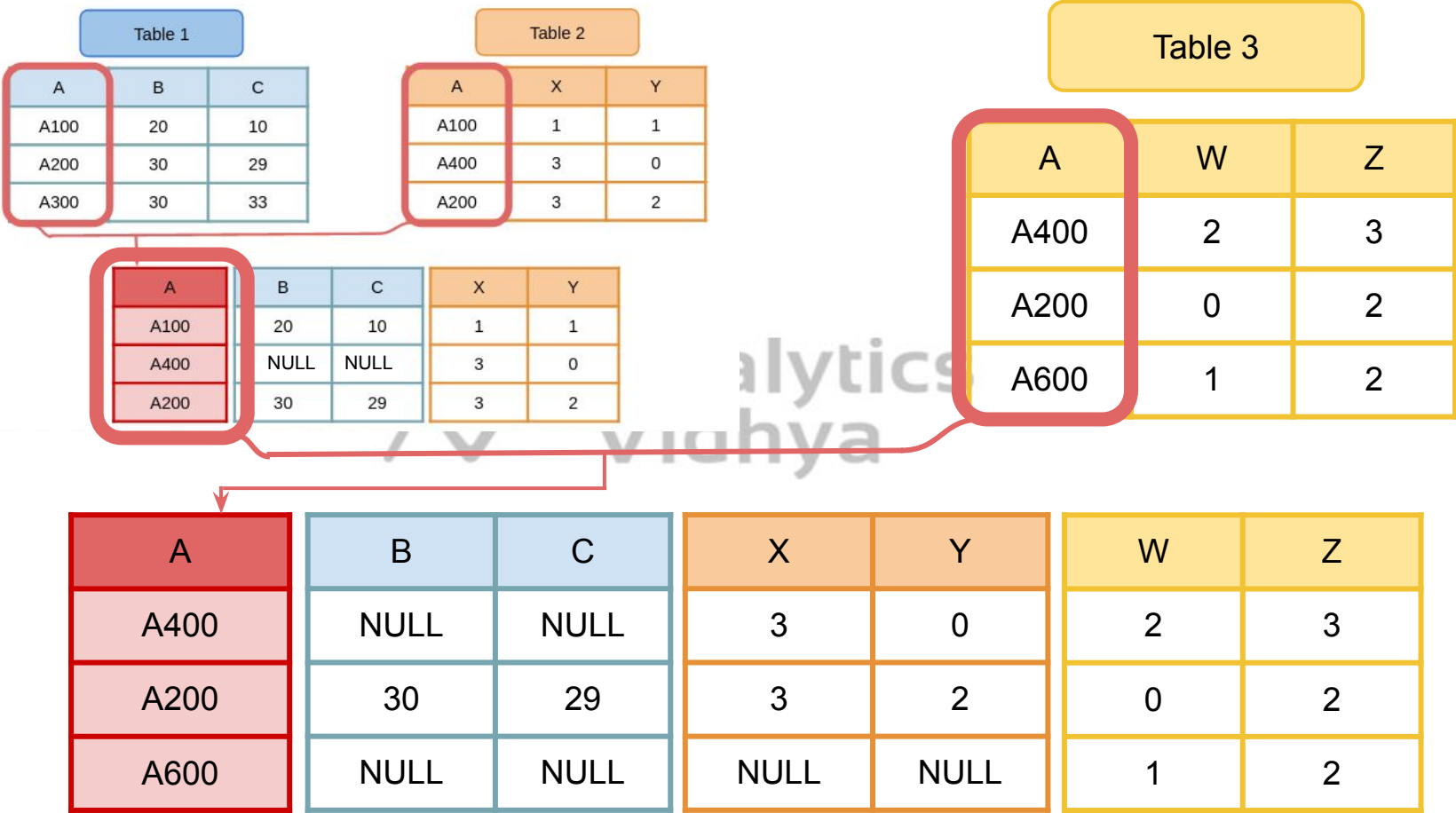
Table 2

A	X	Y
A100	1	1
A400	3	0
A200	2	1

Table 3

A	W	Z
A400	2	3
A200	0	2
A600	1	2

Right Join



Syntax of Right Join

Table 1		
A	B	C
A100	20	10
A200	30	29
A300	30	33

Table 2		
A	X	Y
A100	1	1
A400	3	0
A200	3	2

RIGHT JOIN

SELECT

[Table Name] . [Column Name]

FROM

TABLE 1

RIGHT JOIN

TABLE 2

ON

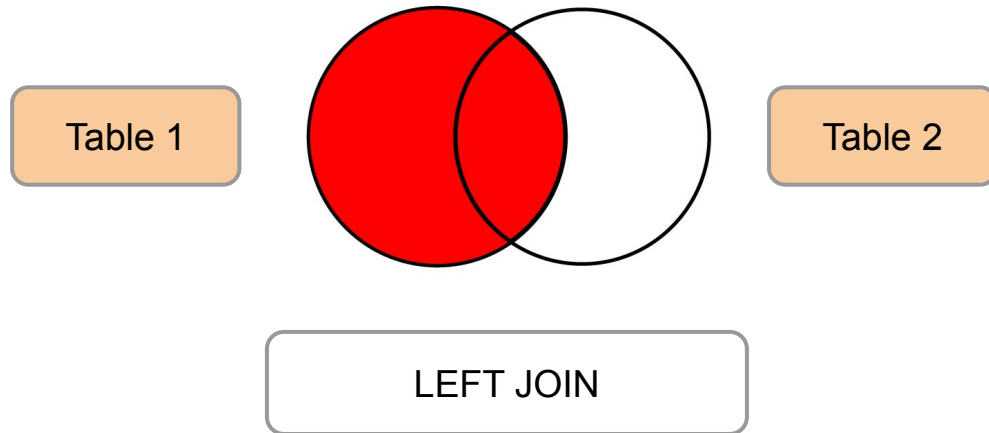
Table 1 . A = Table 2 . A

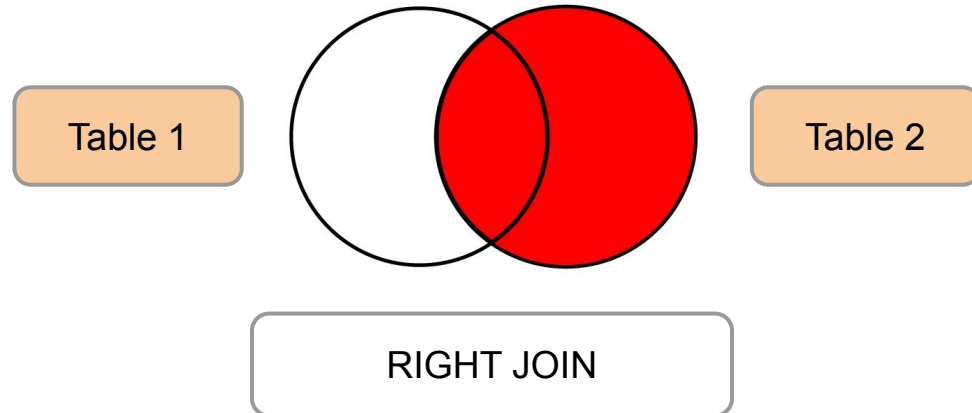
Thank You!



Full Outer Join







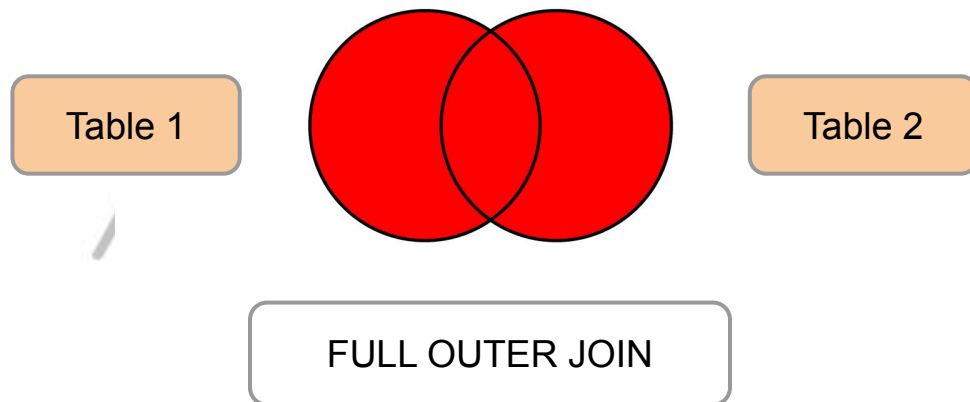


Table 1

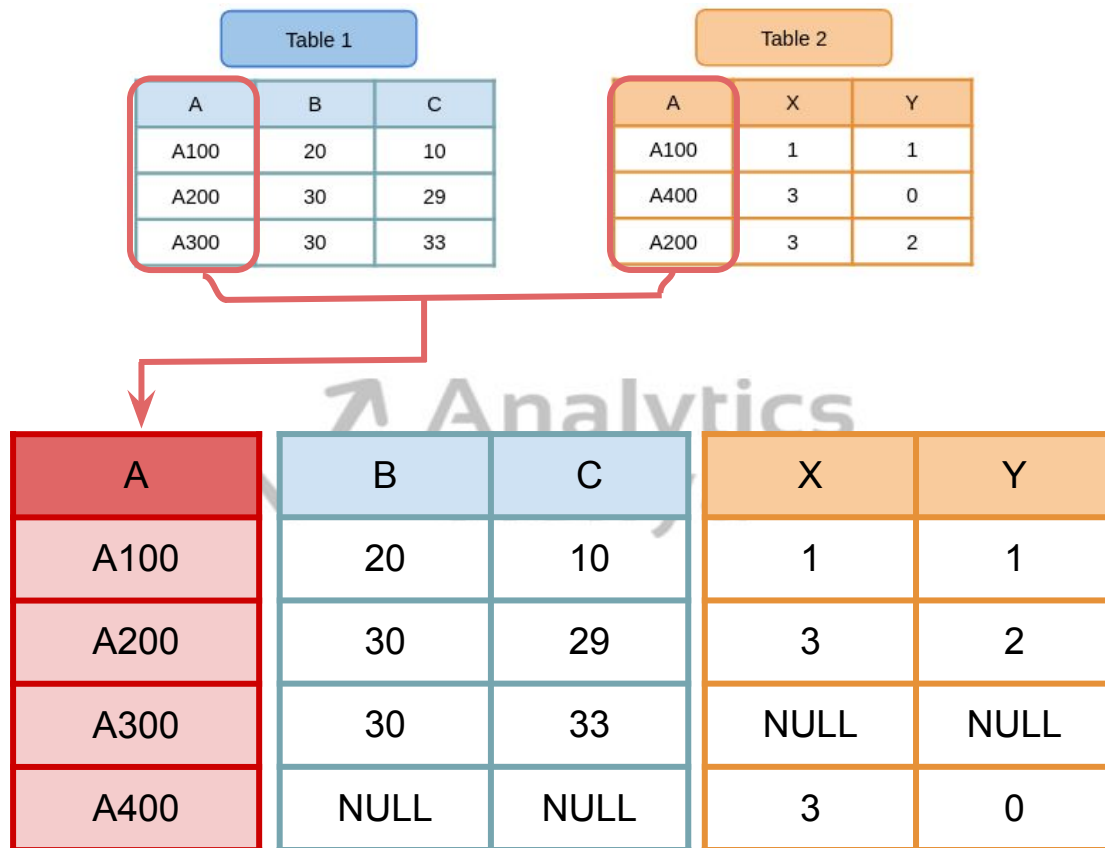
A	B	C
A100	20	10
A200	30	29
A300	30	33

Table 2

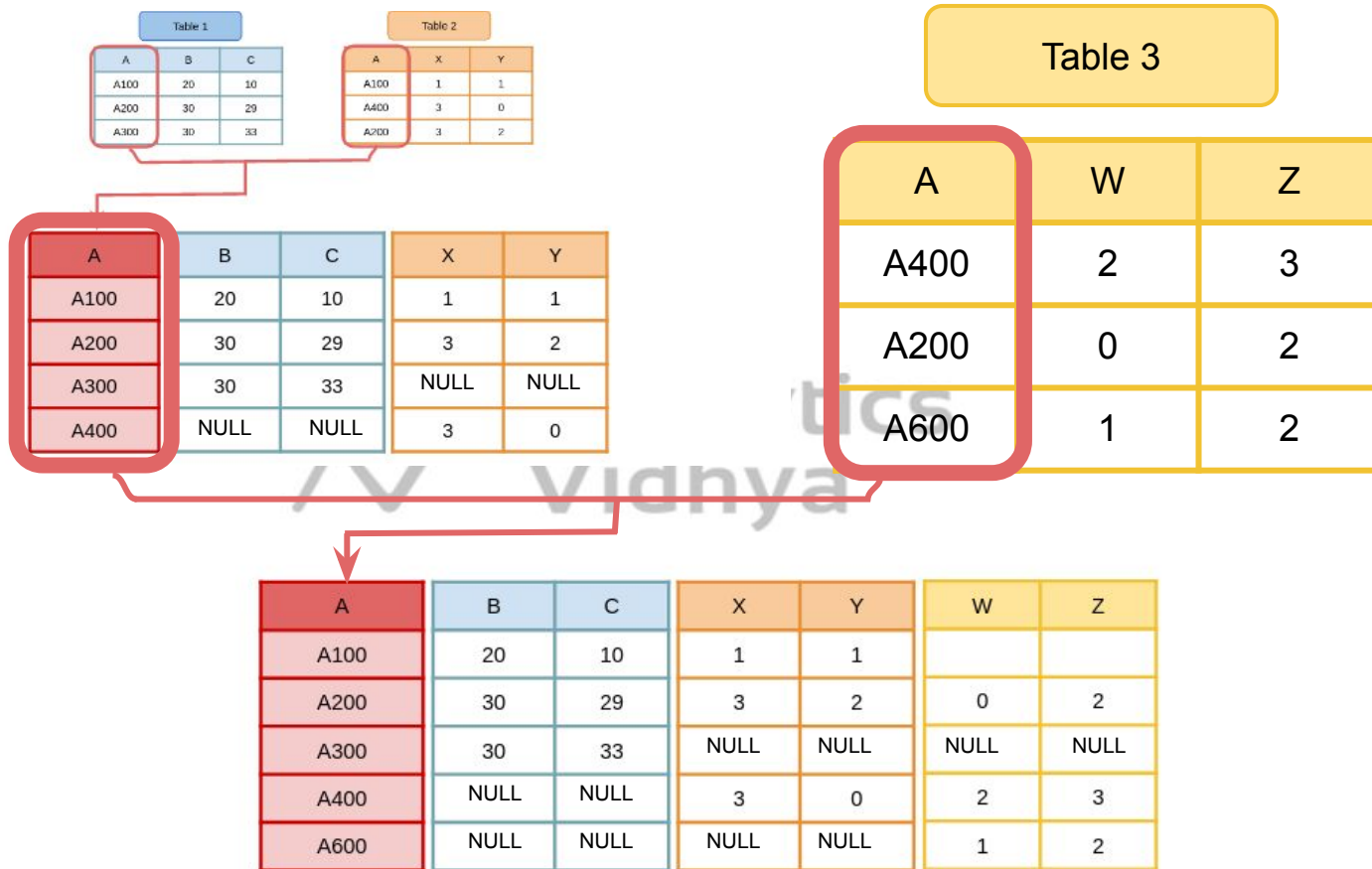
A	X	Y
A100	1	1
A400	3	0
A200	3	2

FULL OUTER JOIN

Full Outer Join



Full Outer Join



Syntax of Full Outer Join

Table 1			Table 2		
A	B	C	A	X	Y
A100	20	10	A100	1	1
A200	30	29	A400	3	0
A300	30	33	A200	3	2

FULL OUTER JOIN

SELECT

Table 1.A, Table 2.B

FROM

TABLE 1

LEFT JOIN

TABLE 2

ON

Table 1 . A = Table 2 . A

UNION

SELECT

Table 1.A, Table 2.B

FROM

TABLE 1

RIGHT JOIN

TABLE 2

ON

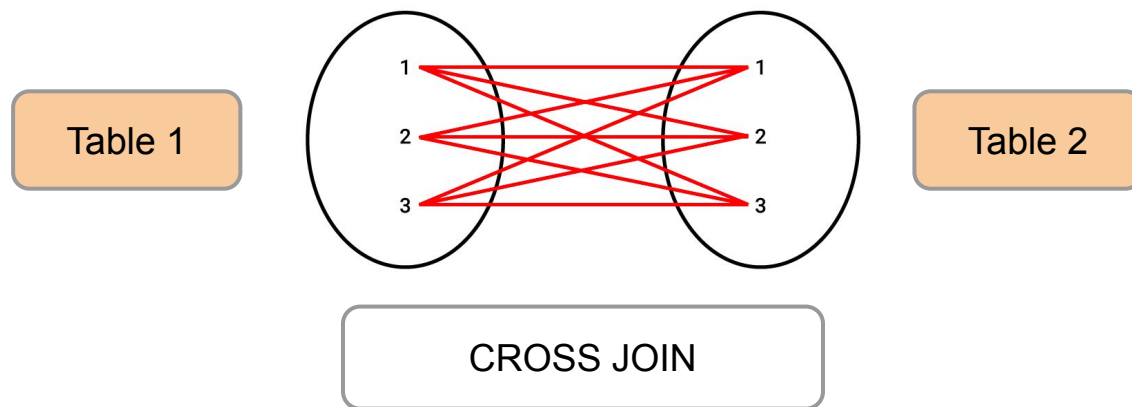
Table 1 . A = Table 2 . A

Thank You!



Cross Join





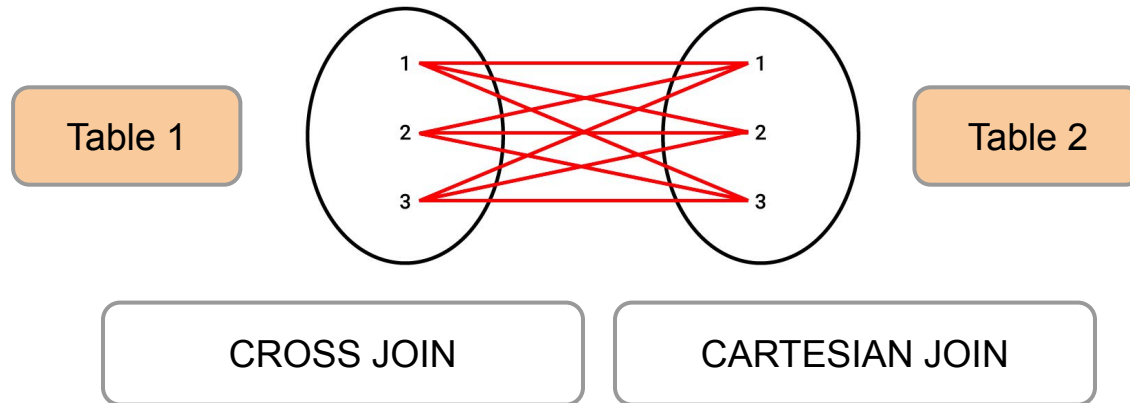


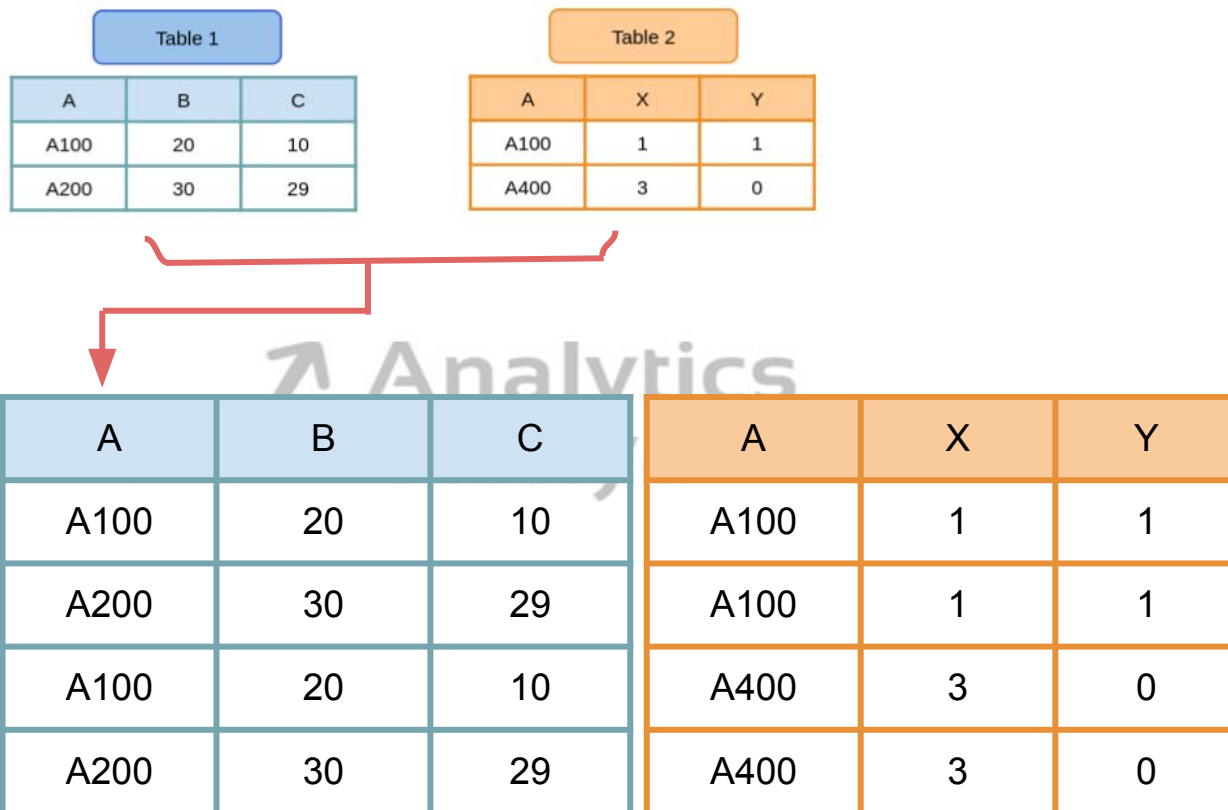
Table 1

A	B	C
A100	20	10
A200	30	29

Table 2

A	X	Y
A100	1	1
A400	3	0

CROSS JOIN



Syntax of Cross Join

Table 1		
A	B	C
A100	20	10
A200	30	29

Table 2		
A	X	Y
A100	1	1
A400	3	0

CROSS JOIN

SELECT

[Table Name] . [Column Name]

FROM

TABLE 1

CROSS JOIN

TABLE 2

Thank You!



Self Join



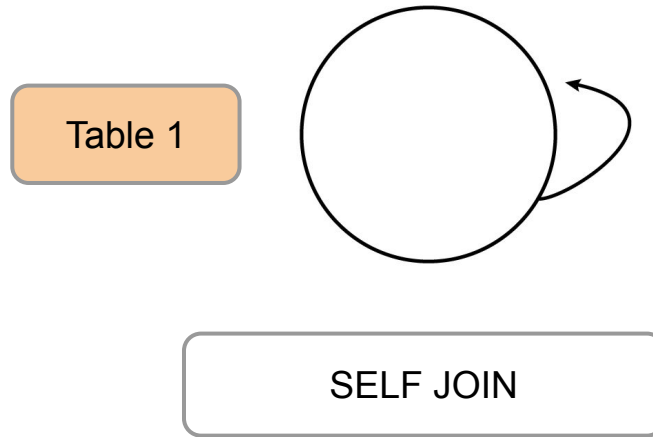


Table 1

Id	Name	Salary	Manager_id
1002	Arjun	100	1212
1324	Shyam	200	1212
1212	Kiran	300	NULL
2231	Simran	200	1324

SELF JOIN

Table 1

Id	Name	Salary	Manager_id
1002	Arjun	100	1212
1324	Shyam	200	1212
1212	Kiran	300	NULL
2231	Simran	200	1324

Name	Manager
Arjun	Kiran

Table 1

Id	Name	Salary	Manager_id
1002	Arjun	100	1212
1324	Shyam	200	1212
1212	Kiran	300	NULL
2231	Simran	200	1324

Name	Manager
Arjun	Kiran
Shyam	Kiran

Table 1

Id	Name	Salary	Manager_id
1002	Arjun	100	1212
1324	Shyam	200	1212
1212	Kiran	300	NULL
2231	Simran	200	1324

Name	Manager
Arjun	Kiran
Shyam	Kiran
Kiran	NULL

Table 1

Id	Name	Salary	Manager_id
1002	Arjun	100	1212
1324	Shyam	200	1212
1212	Kiran	300	NULL
2231	Simran	200	1324

Name	Manager
Arjun	Kiran
Shyam	Kiran
Kiran	NULL
Simran	Shyam

Table 1

Id	Name	Salary	Manager_id
1002	Arjun	100	1212
1324	Shyam	200	1212
1212	Kiran	300	NULL
2231	Simran	200	1324

SELECT

[Table Name] . [Column Name]

FROM

TABLE 1

T1

,

TABLE 1

T2

WHERE

Condition

Thank You!

