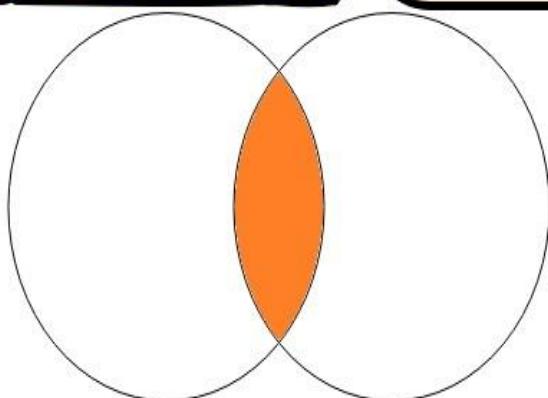


INNER JOIN

TABLA UNO		
ID	COLOR	KEY
6	AMARILLO	1
4	AZUL	2
5	ROJO	3
2	VERDE	4
3	ROSADO	5
1	NARANJA	6

SELECT *
FROM
TABLA_UNO AS TU
JOIN
TABLA_DOS AS TD
ON TU.KEY = TD.KEY

TABLA DOS	
KEY	COLOR
1	AMARILLO
3	ROJO
5	ROSADO
7	MORADO
8	FUCSIA
9	SALMON

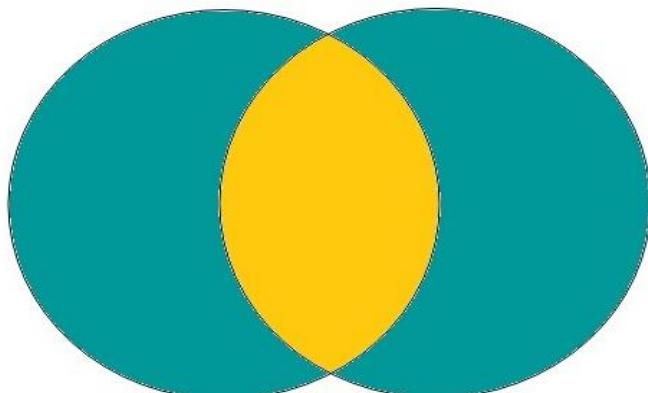


INNER JOIN				
ID	COLOR	KEY	KEY	COLOR
6	AMARILLO	1	1	AMARILLO
5	ROJO	3	3	ROJO
3	ROSADO	5	5	ROSADO

SELF JOIN

TABLA UNO		
ID	COLOR	KEY
6	AMARILLO	1
4	AZUL	2
5	ROJO	3
2	VERDE	4
3	ROSADO	5
1	NARANJA	6

SELECT *
FROM
TABLA_UNO AS TU_1
FULL JOIN
TABLA_UNO AS TU_2
ON TU_1.KEY = TU_2.ID



SELF JOIN					
ID	COLOR	KEY	ID	COLOR	KEY
6	AMARILLO	1	1	NARANJA	6
4	AZUL	2	2	VERDE	4
5	ROJO	3	3	ROSADO	5
2	VERDE	4	4	AZUL	2
3	ROSADO	5	5	ROJO	3
1	NARANJA	6	6	AMARILLO	1

LEFT JOIN

TABLA UNO

ID	COLOR	KEY
6	AMARILLO	1
4	AZUL	2
5	ROJO	3
2	VERDE	4
3	ROSADO	5
1	NARANJA	6

SELECT *

FROM

TABLA_UNO AS TU

LEFT JOIN

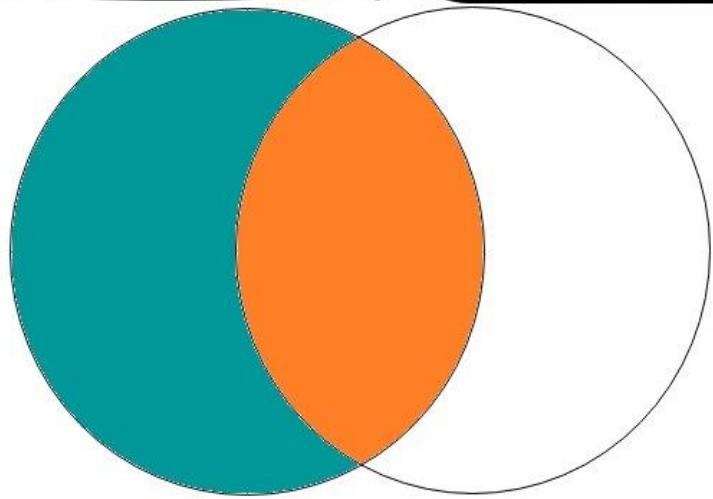
TABLA_DOS AS TD

ON TU.KEY = TD.KEY

ORDER BY TD.KEY

TABLA DOS

KEY	COLOR
1	AMARILLO
3	ROJO
5	ROSADO
7	MORADO
8	FUCSIA
9	SALMON



LEFT JOIN

ID	COLOR	KEY	KEY	COLOR
6	AMARILLO	1	1	AMARILLO
5	ROJO	3	3	ROJO
3	ROSADO	5	5	ROSADO
4	AZUL	2	NULL	NULL
2	VERDE	4	NULL	NULL
1	NARANJA	6	NULL	NULL

RIGHT JOIN

TABLA UNO

ID	COLOR	KEY
6	AMARILLO	1
4	AZUL	2
5	ROJO	3
2	VERDE	4
3	ROSADO	5
1	NARANJA	6

SELECT *

FROM

TABLA_UNO AS TU

RIGHT JOIN

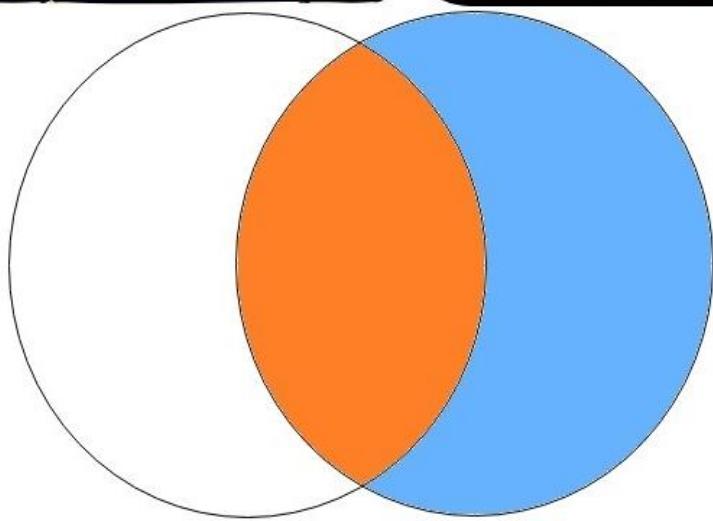
TABLA_DOS AS TD

ON TU.KEY = TD.KEY

ORDER BY TU.KEY

TABLA DOS

KEY	COLOR
1	AMARILLO
3	ROJO
5	ROSADO
7	MORADO
8	FUCSIA
9	SALMON



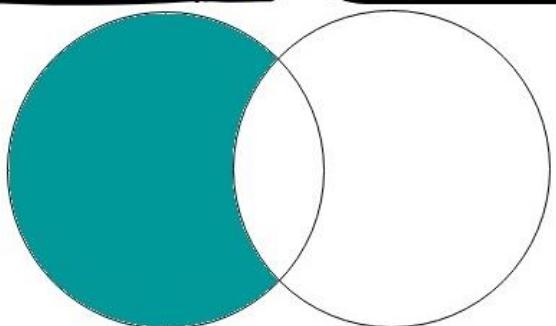
RIGHT JOIN

ID	COLOR	KEY	KEY	COLOR
6	AMARILLO	1	1	AMARILLO
5	ROJO	3	3	ROJO
3	ROSADO	5	5	ROSADO
NULL	NULL	NULL	7	MORADO
NULL	NULL	NULL	8	FUCSIA
NULL	NULL	NULL	9	SALMON

ANTI LEFT JOIN

TABLA UNO

ID	COLOR	KEY
6	AMARILLO	1
4	AZUL	2
5	ROJO	3
2	VERDE	4
3	ROSADO	5
1	NARANJA	6



SELECT *
FROM

TABLA_UNO AS TU
LEFT JOIN
TABLA_DOS AS TD
ON TU.KEY = TD.KEY
WHERE TD.KEY IS NULL

TABLA DOS

KEY	COLOR
1	AMARILLO
3	ROJO
5	ROSADO
7	MORADO
8	FUCSIA
9	SALMON

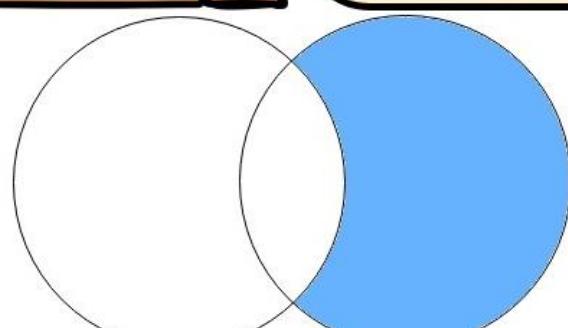
ANTI_LEFT_JOIN

ID	COLOR	KEY	KEY	COLOR
4	AZUL	2	NULL	NULL
2	VERDE	4	NULL	NULL
1	NARANJA	6	NULL	NULL

ANTI RIGHT JOIN

TABLA UNO

ID	COLOR	KEY
6	AMARILLO	1
4	AZUL	2
5	ROJO	3
2	VERDE	4
3	ROSADO	5
1	NARANJA	6



SELECT *
FROM

TABLA_UNO AS TU
RIGHT JOIN
TABLA_DOS AS TD
ON TU.KEY = TD.KEY
WHERE TU.KEY IS NULL

TABLA DOS

KEY	COLOR
1	AMARILLO
3	ROJO
5	ROSADO
7	MORADO
8	FUCSIA
9	SALMON

ANTI_RIGHT_JOIN

ID	COLOR	KEY	KEY	COLOR
NULL	NULL	NULL	7	MORADO
NULL	NULL	NULL	8	FUCSIA
NULL	NULL	NULL	9	SALMON

FULL JOIN

TABLA UNO

ID	COLOR	KEY
6	AMARILLO	1
4	AZUL	2
5	ROJO	3
2	VERDE	4
3	ROSADO	5
1	NARANJA	6

SELECT *

FROM

FULL JOIN

TABLA_UNO AS TU

TABLA_DOS AS TD
ON TU.KEY = TD.KEY

TABLA DOS

KEY	COLOR
1	AMARILLO
3	ROJO
5	ROSADO
7	MORADO
8	FUCSIA
9	SALMON

FULL JOIN

ID	COLOR	KEY	KEY	COLOR
6	AMARILLO	1	1	AMARILLO
5	ROJO	3	3	ROJO
3	ROSADO	5	5	ROSADO
4	AZUL	2	NULL	NULL
2	VERDE	4	NULL	NULL
1	NARANJA	6	NULL	NULL
NULL	NULL	NULL	7	MORADO
NULL	NULL	NULL	8	FUCSIA
NULL	NULL	NULL	9	SALMON

ANTI FULL JOIN

TABLA UNO

ID	COLOR	KEY
6	AMARILLO	1
4	AZUL	2
5	ROJO	3
2	VERDE	4
3	ROSADO	5
1	NARANJA	6

SELECT *

FROM

FULL JOIN

TABLA_UNO AS TU

TABLA_DOS AS TD
ON TU.KEY = TD.KEY
WHERE TU.KEY IS NULL
OR TD.KEY IS NULL

TABLA DOS

KEY	COLOR
1	AMARILLO
3	ROJO
5	ROSADO
7	MORADO
8	FUCSIA
9	SALMON

ANTI_FULL_JOIN

ID	COLOR	KEY	KEY	COLOR
4	AZUL	2	NULL	NULL
2	VERDE	4	NULL	NULL
1	NARANJA	6	NULL	NULL
NULL	NULL	NULL	7	MORADO
NULL	NULL	NULL	8	FUCSIA
NULL	NULL	NULL	9	SALMON

CROSS JOIN

TABLA UNO		
ID	COLOR	KEY
6	AMARILLO	1
4	AZUL	2
5	ROJO	3
2	VERDE	4
3	ROSADO	5

SELECT *
FROM

TABLA_UNO AS TU
CROSS JOIN
TABLA_DOS AS TD

TABLA DOS	
KEY	COLOR
7	MORADO
8	FUCSIA
9	SALMON

CROSS JOIN

ID	COLOR	KEY	KEY	COLOR
6	AMARILLO	1	7	MORADO
4	AZUL	2	7	MORADO
5	ROJO	3	7	MORADO
2	VERDE	4	7	MORADO
3	ROSADO	5	7	MORADO
6	AMARILLO	1	8	FUCSIA
4	AZUL	2	8	FUCSIA
5	ROJO	3	8	FUCSIA
2	VERDE	4	8	FUCSIA
3	ROSADO	5	8	FUCSIA
6	AMARILLO	1	9	SALMON
4	AZUL	2	9	SALMON
5	ROJO	3	9	SALMON
2	VERDE	4	9	SALMON
3	ROSADO	5	9	SALMON

UNION ALL

TABLA UNO		
ID	COLOR	KEY
6	AMARILLO	1
4	AZUL	2
5	ROJO	3
2	VERDE	4
3	ROSADO	5
1	NARANJA	6

SELECT KEY, COLOR
FROM

TABLA_UNO

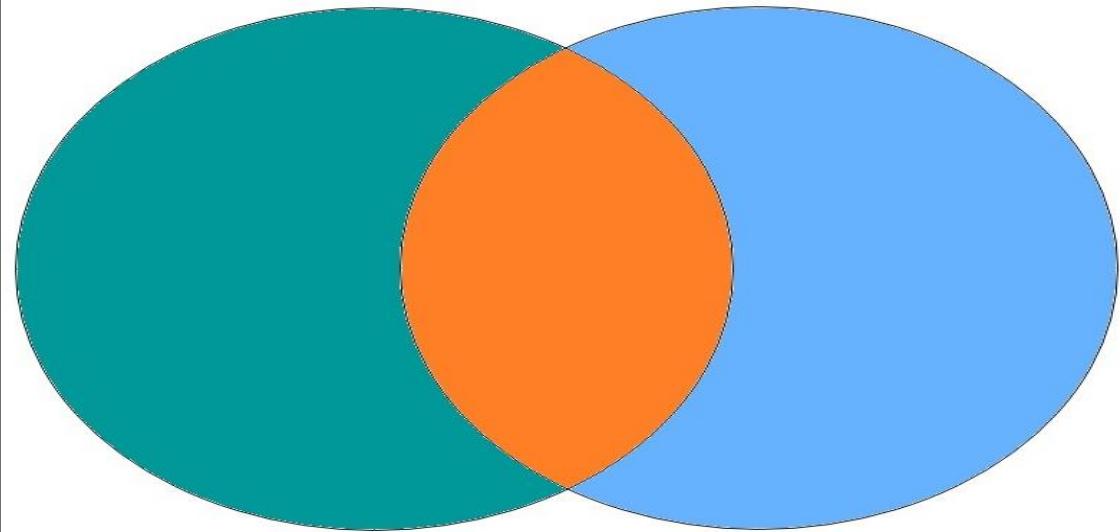
UNION ALL
SELECT KEY, COLOR
FROM

TABLA_DOS

TABLA DOS	
KEY	COLOR
1	AMARILLO
3	ROJO
5	ROSADO
7	MORADO
8	FUCSIA
9	SALMON

UNION ALL

KEY	COLOR
1	AMARILLO
2	AZUL
3	ROJO
4	VERDE
5	ROSADO
6	NARANJA
1	AMARILLO
3	ROJO
5	ROSADO
7	MORADO
8	FUCSIA
9	SALMON



UNION

TABLA UNO

ID	COLOR	KEY
6	AMARILLO	1
4	AZUL	2
5	ROJO	3
2	VERDE	4
3	ROSADO	5
1	NARANJA	6

SELECT KEY, COLOR

FROM

TABLA_UNO

UNION

SELECT KEY, COLOR

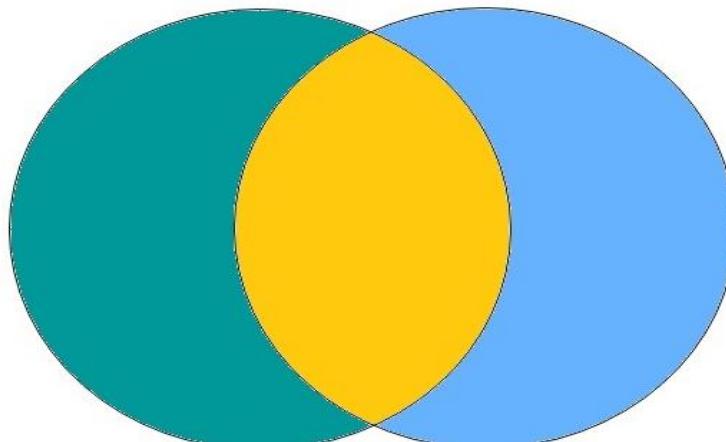
FROM

TABLA_DOS

ORDER BY KEY

TABLA DOS

KEY	COLOR
1	AMARILLO
3	ROJO
5	ROSADO
7	MORADO
8	FUCSIA
9	SALMON



UNION	
KEY	COLOR
1	AMARILLO
2	AZUL
3	ROJO
4	VERDE
5	ROSADO
6	NARANJA
7	MORADO
8	FUCSIA
9	SALMON

UNION INTERSECT

TABLA UNO

ID	COLOR	KEY
6	AMARILLO	1
4	AZUL	2
5	ROJO	3
2	VERDE	4
3	ROSADO	5
1	NARANJA	6

SELECT KEY, COLOR

FROM

TABLA_UNO

INTERSECT

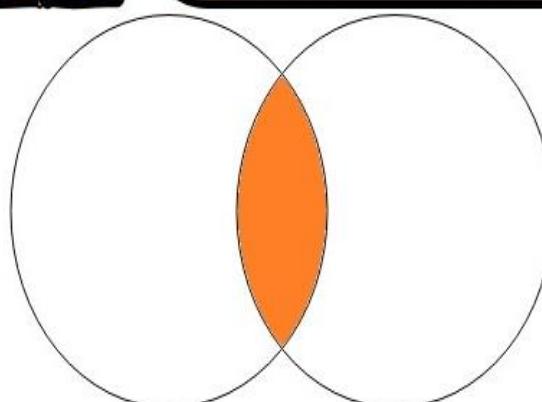
SELECT KEY, COLOR

FROM

TABLA_DOS

TABLA DOS

KEY	COLOR
1	AMARILLO
3	ROJO
5	ROSADO
7	MORADO
8	FUCSIA
9	SALMON



INTERSECT

KEY COLOR

1 AMARILLO

3 ROJO

5 ROSADO

COMMON TABLE EXPRESSION + WINDOW FUNCTIONS + CASE + UNION

CONTINENTES			
REGION	ZONA	PAIS	TEMP
AFRICA	NORTE	EGIPTO	22
AMERICA	NORTE	MEXICO	37
EUROPA	ESTE	RUSIA	34
ASIA	SUR	INDIA	33
EUROPA	ESTE	GEORGIA	28
AFRICA	ESTE	KENYA	36
AMERICA	SUR	ARGENTINA	23
EUROPA	SUR	ITALIA	25
ASIA	ESTE	CHINA	17
AMERICA	NORTE	USA	21
EUROPA	OESTE	BELGICA	29
OCEANIA	SUR	AUSTRALIA	28
AMERICA	SUR	COLOMBIA	21
EUROPA	OESTE	España	30

WITH MaxMinTemperatures AS (

SELECT

ZONA, PAIS, REGION, TEMP,

MAX(TEMP) OVER (

PARTITION BY REGION

) AS MAX_TEMP,

MIN(TEMP) OVER (

PARTITION BY REGION

) AS MIN_TEMP

FROM CONTINENTES

)

SELECT

ZONA, PAIS, REGION, TEMP,

CASE

WHEN TEMP = MAX_TEMP

THEN PAIS || ' MAX ' || en || REGION

END AS clasificacion

FROM MaxMinTemperatures

WHERE TEMP = MAX_TEMP

UNION

SELECT

ZONA, PAIS, REGION, TEMP,

CASE

WHEN TEMP = MIN_TEMP

THEN PAIS || ' MIN ' || en || REGION

END AS clasificacion

FROM MaxMinTemperatures

WHERE TEMP = MIN_TEMP

ORDER BY REGION, TEMP DESC ;

ZONA	PAIS	REGION	TEMP	CLASIFICACION
ESTE	KENYA	AFRICA	36	KENYA MAX en Africa
NORTE	EGIPTO	AFRICA	22	EGIPTO MIN en Africa
NORTE	MEXICO	AMERICA	37	MEXICO MAX en America
NORTE	USA	AMERICA	21	USA MIN en America
SUR	COLOMBIA	AMERICA	21	COLOMBIA MIN en America
SUR	INDIA	ASIA	33	INDIA MAX en Asia
ESTE	CHINA	ASIA	17	CHINA MIN en Asia
ESTE	RUSIA	EUROPA	34	RUSIA MAX en Europa
SUR	ITALIA	EUROPA	25	ITALIA MIN en Europa
SUR	AUSTRALIA	OCEANIA	28	AUSTRALIA MAX en Oceania
SUR	AUSTRALIA	OCEANIA	28	AUSTRALIA MIN en Oceania