

Problem Statement: Derive an output that is not common in both the input tables (source and target).

Source			Target		
id	name		id	name	
1	A		1	A	
2	B		2	B	
3	C		4	X	
4	D		5	F	
Output					
id	comment				
3	New in source				
4	Mismatch				
5	New in target				

create table source
(id int, name varchar(5))

create table target
(id int, name varchar(5))

insert into source values
(1,'A'),(2,'B'),(3,'C'),(4,'D');

insert into target values
(1,'A'),(2,'B'),(4,'X'),(5,'F');

WITH CTE AS (
SELECT SO.ID,'NEW IN SOURCE' AS COMMENT FROM SOURCES SO LEFT
JOIN TARGETS TA ON TA.ID = SO.ID
WHERE TA.NAME IS NULL
UNION
SELECT TA.ID,'MISMATCH' AS COMMENT FROM SOURCES SO JOIN
TARGETS TA ON TA.ID = SO.ID AND TA.NAME != SO.NAME
UNION
SELECT TA.ID,'NEW IN TARGET' AS COMMENT FROM SOURCES SO RIGHT
JOIN TARGETS TA ON TA.ID = SO.ID
WHERE SO.NAME IS NULL)
SELECT * FROM CTE ORDER BY ID

id	comment
integer	text
3	NEW IN SOURCE
4	MISMATCH
5	NEW IN TARGET