

Tables from the provided CSV files

target		source	
id	val	id	val
1	A	1	
2	A	2	B
3		4	B
5	A	8	B
8	A	9	B
9		10	
10		11	

Objective

Using the two tables (target and source), write SQL code to achieve the result table in each question

Comments

Greyed cells are not null-valued;
They are grey so that id's are aligned properly
Empty white cells are null-valued

Question 1 - update

target		source		result	
id	value	id	value	id	value
1	A	1		1	
2	A	2	B	2	B
3				3	
5	A	4	B	5	A
8	A			8	B
9		8	B	9	B
10		9	B	10	
		10			
		11			

Question 2 - merge

target		source		result	
id	value	id	value	id	value
1	A	1		1	
2	A	2	B	2	B
3				3	
				4	B
5	A	4	B	5	A
8	A			8	B
9		8	B	9	B
10		9	B	10	
		10		11	
		11			

Question 3 - append

target		source		result	
id	value	id	value	id	value
1	A	1		1	A
2	A	2	B	1	
3				2	A
				2	B
5	A	4	B	3	
8	A			4	B
9		8	B	5	A
10		9	B	8	A
		10		8	B
		11		9	B
				9	
				10	
				10	
				11	

Question 4 - update null fill

target		source		result	
id	value	id	value	id	value
1	A	1		1	A
2	A	2	B	2	A
3				3	
5	A	4	B	5	A
8	A			8	A
9		8	B	9	B
10		9	B	10	
		10			
		11			

Question 5 - merge null fill

target		source		result	
id	value	id	value	id	value
1	A	1		1	A
2	A	2	B	2	A
3				3	
				4	B
5	A	4	B	5	A
8	A			8	A
9		8	B	9	B
10		9	B	10	
		10		11	
		11			

Question 6 - update override

target		source		result	
id	value	id	value	id	value
1	A	1		1	A
2	A	2	B	2	B
3				3	
5	A	4	B	5	A
8	A			8	B
9		8	B	9	B
10		9	B	10	
		10			
		11			

Question 7 - merge override

target	
id	value
1	A
2	A
3	
5	A
8	A
9	
10	

source	
id	value
1	
2	B
4	B
8	B
9	B
10	
11	

result	
id	value
1	A
2	B
3	
4	B
5	A
8	B
9	B
10	
11	