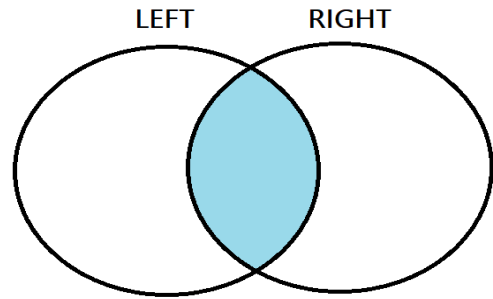
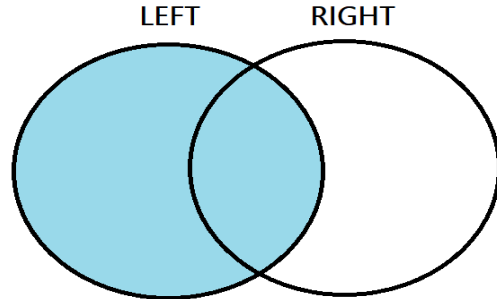


JOIN THEORY

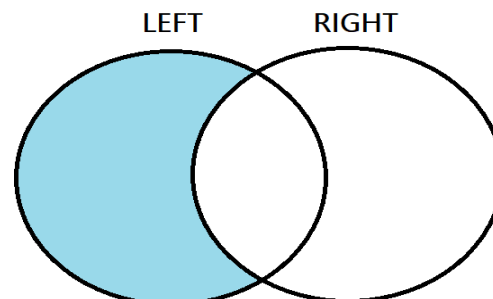
INNER JOIN



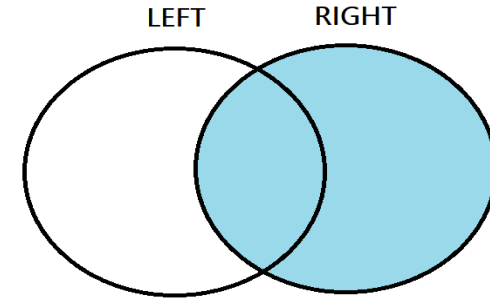
LEFT INNER JOIN



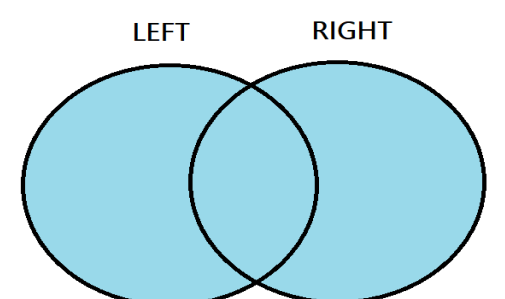
LEFT OUTER JOIN



RIGHT INNER JOIN



FULL JOIN



WITHOUT DUPLICATES

DATA SETS		RESULT	
LEFT	RIGHT	LEFT	RIGHT

Apple
Banana
Pear
Grape
Mandarin
Cherry
Blueberry
Cucumber
Fig
Grapefruit
Raspberry

Mandarin	Mandarin
Cherry	Cherry
Blueberry	Blueberry
Cucumber	Cucumber

DATA SETS		RESULT	
LEFT	RIGHT	LEFT	RIGHT

Apple		Apple	
Banana		Banana	
Pear		Pear	
Grape		Grape	
Mandarin	Mandarin	Mandarin	Mandarin
Cherry	Cherry	Cherry	Cherry
Blueberry	Blueberry	Blueberry	Blueberry
Cucumber	Cucumber	Cucumber	Cucumber
	Fig		
	Grapefruit		
	Raspberry		

DATA SETS		RESULT	
T	RIGHT	LEFT	RIGHT

Fruit	Color
Apple	Red
Banana	Yellow
Pear	Green
Grape	Purple
Mandarin	Orange
Cherry	Light Green
Blueberry	Dark Blue
Cucumber	Light Blue

Fruit	Color
Apple	Red
Banana	Yellow
Pear	Green
Grape	Purple
Mandarin	Orange
Cherry	Light Green
Blueberry	Dark Blue
Cucumber	Light Blue

DATA SETS		RESULT	
LEFT	RIGHT	LEFT	RIGHT

Apple			
Banana			
Pear			
Grape			
Mandarin	Mandarin	Mandarin	Mandarin
Cherry	Cherry	Cherry	Cherry
Blueberry	Blueberry	Blueberry	Blueberry
Cucumber	Cucumber	Cucumber	Cucumber
	Fig		Fig
	Grapefruit		Grapefruit
	Raspberry		Raspberry

DATA SETS		RESULT	
LEFT	RIGHT	LEFT	RIGHT

Apple		Apple	
Banana		Banana	
Pear		Pear	
Grape		Grape	
Mandarin	Mandarin	Mandarin	Mandarin
Cherry	Cherry	Cherry	Cherry
Blueberry	Blueberry	Blueberry	Blueberry
Cucumber	Cucumber	Cucumber	Cucumber
	Fig		Fig
	Grapefruit		Grapefruit
	Raspberry		Raspberry

WITH DUPLICATES

DATA SETS		RESULT	
LEFT	RIGHT	LEFT	RIGHT

Apple			
Banana			
Banana			
Banana			
Pear			
Grape			
Mandarin	Mandarin	Mandarin	Mandarin
	Mandarin	Mandarin	Mandarin
Cherry		Cherry	Cherry
	Cherry	Cherry	Cherry
Cherry		Cherry	Cherry
	Cherry	Cherry	Cherry
Cherry		Cherry	Cherry
	Cherry	Cherry	Cherry
Cherry		Cherry	Cherry
	Cherry	Cherry	Cherry
Blueberry	Blueberry	Blueberry	Blueberry
	Blueberry	Blueberry	Blueberry
Cucumber		Cucumber	Cucumber
Cucumber	Cucumber	Cucumber	Cucumber
Cucumber		Cucumber	Cucumber
	Fig		
	Grapefruit		
	Grapefruit		
	Grapefruit		
	Grapefruit		
	Grapefruit		
	Raspberry		

DATA SETS		RESULT	
LEFT	RIGHT	LEFT	RIGHT

Apple		Apple	
Banana		Banana	
Banana		Banana	
Banana		Banana	
Pear		Pear	
Grape		Grape	
Mandarin	Mandarin	Mandarin	Mandarin
	Mandarin	Mandarin	Mandarin
Cherry	Cherry	Cherry	Cherry
Cherry		Cherry	Cherry
Cherry		Cherry	Cherry
Cherry		Cherry	Cherry
Cherry		Cherry	Cherry
Cherry	Cherry	Cherry	Cherry
Blueberry	Blueberry	Blueberry	Blueberry
Cucumber	Cucumber	Cucumber	Cucumber
Cucumber		Cucumber	Cucumber
Cucumber		Cucumber	Cucumber
	Fig		
	Grapefruit		
	Grapefruit		
	Grapefruit		
	Grapefruit		
	Raspberry		

DATA SETS		RESULT	
LEFT	RIGHT	LEFT	RIGHT

[illegible]

DATA SETS		RESULT	
LEFT	RIGHT	LEFT	RIGHT

Apple			
Banana			
Banana			
Banana			
Pear			
Grape			
Mandarin	Mandarin	Mandarin	Mandarin
	Mandarin	Mandarin	Mandarin
Cherry	Cherry	Cherry	Cherry
Cherry	Cherry	Cherry	Cherry
Cherry	Cherry	Cherry	Cherry
Cherry	Cherry	Cherry	Cherry
Cherry	Cherry	Cherry	Cherry
Blueberry	Blueberry	Blueberry	Blueberry
	Blueberry	Blueberry	Blueberry
Cucumber	Cucumber	Cucumber	Cucumber
Cucumber	Cucumber	Cucumber	Cucumber
Cucumber	Cucumber	Cucumber	Cucumber
	Fig		Fig
	Grapefruit		Grapefruit
	Grapefruit		Grapefruit
	Grapefruit		Grapefruit
	Grapefruit		Grapefruit
	Grapefruit		Grapefruit
	Raspberry		Raspberry

DATA SETS		RESULT	
LEFT	RIGHT	LEFT	RIGHT

Apple		Apple	
Banana		Banana	
Banana		Banana	
Banana		Banana	
Pear		Pear	
Grape		Grape	
Mandarin	Mandarin	Mandarin	Mandarin
	Mandarin	Mandarin	Mandarin
Cherry	Cherry	Cherry	Cherry
		Cherry	Cherry
Cherry		Cherry	Cherry
Cherry		Cherry	Cherry
Cherry	Cherry	Cherry	Cherry
		Cherry	Cherry
Cherry		Cherry	Cherry
Cherry		Cherry	Cherry
Blueberry	Blueberry	Blueberry	Blueberry
	Blueberry	Blueberry	Blueberry
Cucumber	Cucumber	Cucumber	Cucumber
Cucumber		Cucumber	Cucumber
Cucumber		Cucumber	Cucumber
	Fig		Fig
	Grapefruit		Grapefruit
	Grapefruit		Grapefruit
	Grapefruit		Grapefruit
	Grapefruit		Grapefruit
	Grapefruit		Grapefruit
	Raspberry		Raspberry