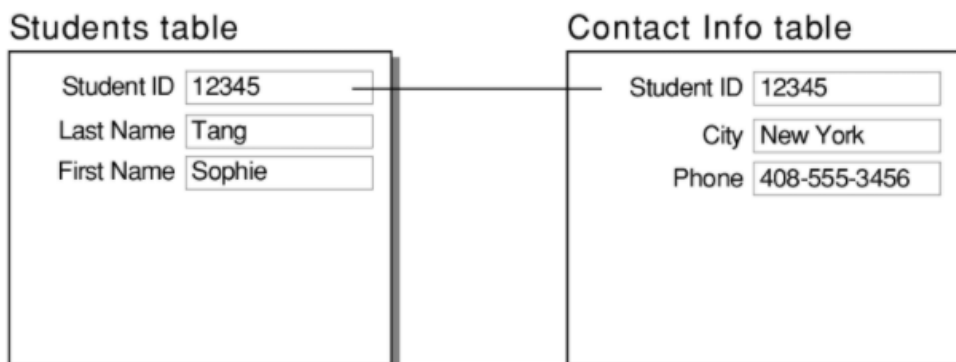
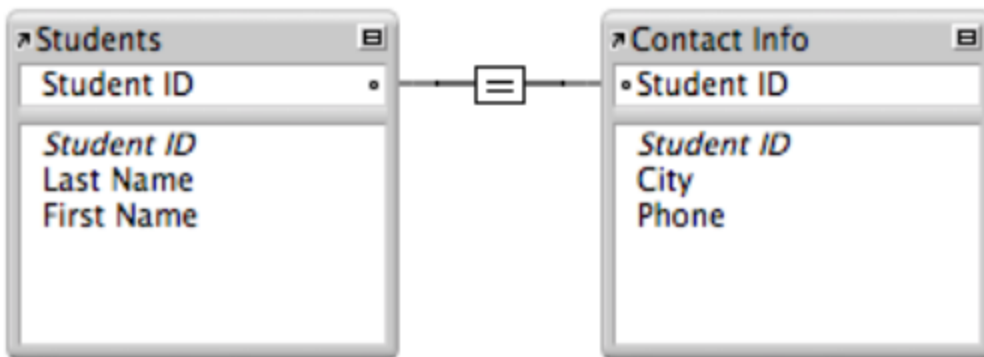


<https://fmhelp.filemaker.com/help/18/fmp/en/index.html>
(Working with related tables)

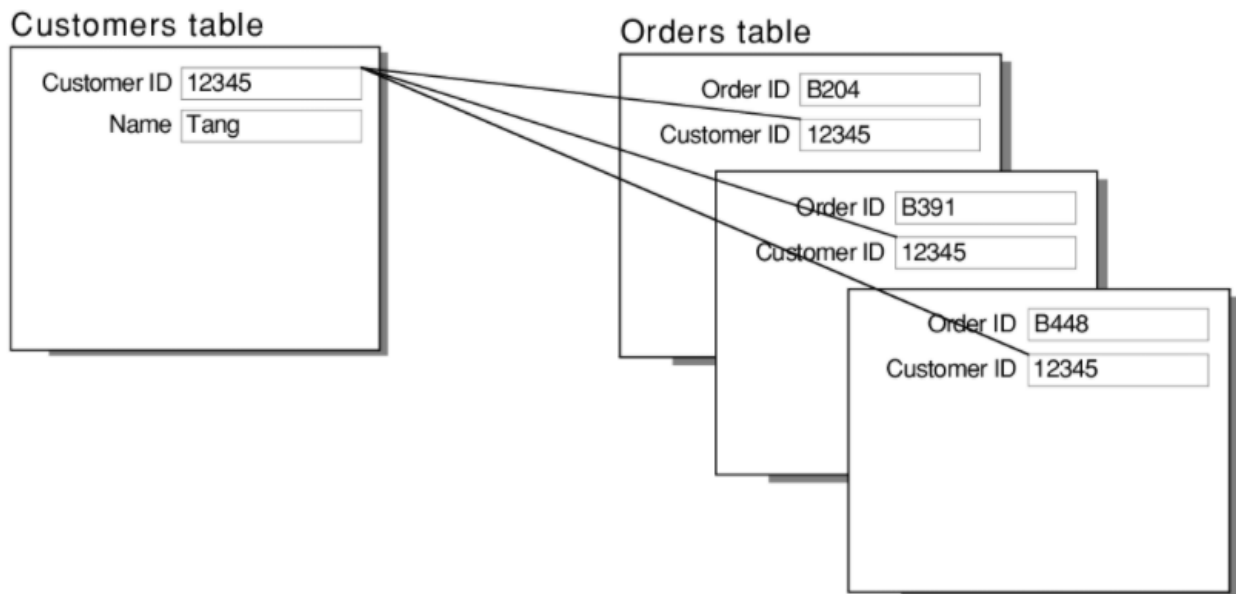
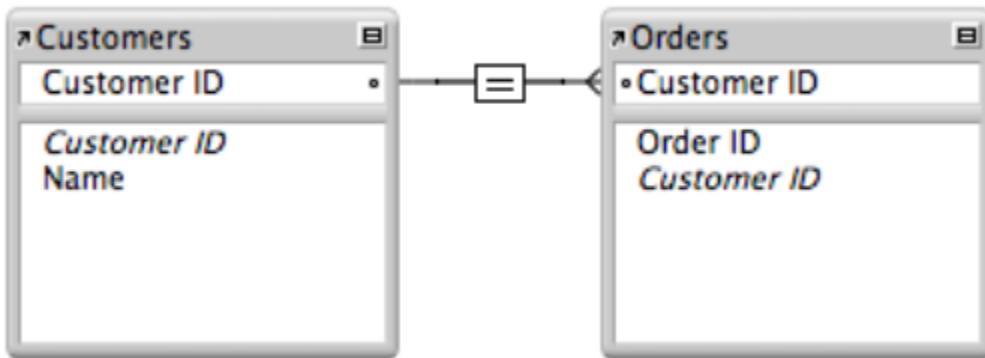
One-to-one relationships

-One record in a table is associated with one and only one record in another table.



One-to-many relationships

-One record in a table can be associated with one or more records in another table. For example, each customer can have many sales orders.

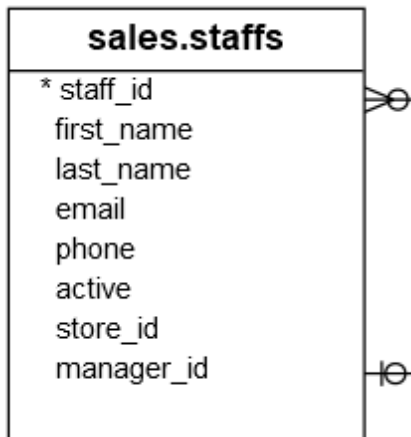
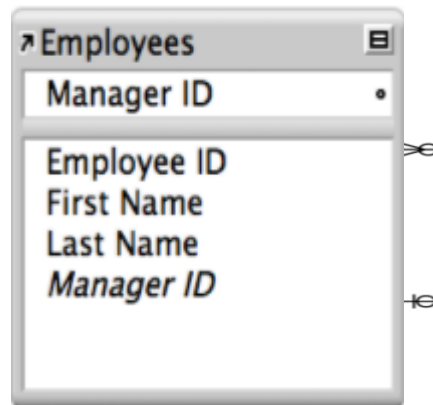


Because relationships work both ways, there are also *many-to-one relationships*.

Self-joining relationships (Unary /Recursive Relationships)

<https://www.sqlservertutorial.net/sql-server-basics/sql-server-self-join/>

-Both match fields are defined in the same table.



staff_id	first_name	last_name	email	phone	active	store_id	manager_id
1	Fabiola	Jackson	fabiola.jackson@bikes.shop	(831) 555-5554	1	1	NULL
2	Mireya	Copeland	mireya.copeland@bikes.shop	(831) 555-5555	1	1	1
3	Genna	Serrano	genna.serrano@bikes.shop	(831) 555-5556	1	1	2
4	Virgie	Wiggins	virgie.wiggins@bikes.shop	(831) 555-5557	1	1	2
5	Jannette	David	jannette.david@bikes.shop	(516) 379-4444	1	2	1
6	Marcelene	Boyer	marcelene.boyer@bikes.shop	(516) 379-4445	1	2	5
7	Venita	Daniel	venita.daniel@bikes.shop	(516) 379-4446	1	2	5
8	Kali	Vargas	kali.vargas@bikes.shop	(972) 530-5555	1	3	1
9	Layla	Terrell	layla.terrell@bikes.shop	(972) 530-5556	1	3	7
10	Bernardine	Houston	bernardine.houston@bikes.shop	(972) 530-5557	1	3	7

Many-to-many relationships

- A *many-to-many relationship* occurs when multiple records in a table are associated with multiple records in another table.
- Relational database systems usually don't allow you to implement a direct many-to-many relationship between two tables.
- To avoid this problem, you can break the many-to-many relationship into two one-to-many relationships by using a third table, called a *join / junction table*.

