

EXAMPLES OF ONE TO MANY RELATIONSHIP:

121 %			
Results Messages			
	customer_id	name	email
1	1	John Doe	johndoe@example.com
2	2	Jane Smith	janesmith@example.com
3	3	Michael Johnson	michaeljohnson@example.com

	order_id	customer_id	order_date	total_amount
1	1	1	2023-05-01	49.99
2	2	1	2023-05-15	79.99
3	3	2	2023-05-10	24.99
4	4	3	2023-05-20	99.99

← EXAMPLE 1.

121 %			
Results Messages			
	author_id	name	biography
1	1	J.K. Rowling	British author best known for the Harry Potter s...
2	2	Stephen King	American author of horror, supernatural fiction,...

	book_id	author_id	title	publication_year
1	1	1	Harry Potter and the Philosopher's Stone	1997
2	2	1	Harry Potter and the Chamber of Secrets	1998
3	3	2	The Shining	1977
4	4	2	Carrie	1974

← EXAMPLE 2.

In both examples, the `customer_id` and `author_id` columns in the many side of the relationship (Orders and Books tables, respectively) are foreign keys referencing the primary keys in the one side of the relationship (Customers and Authors tables, respectively).

This is an example of one-to-many relationship, where one customer or author can have many associated orders or books.

EXAMPLE OF MANY TO ONE RELATIONSHIP:

121 %			
Results Messages			
	class_id	class_name	teacher_name
1	1	Math 101	Ms. Johnson
2	2	English 101	Mr. Smith

	student_id	first_name	last_name	class_id
1	1	John	Doe	1
2	2	Jane	Smith	1
3	3	Michael	Johnson	1
4	4	Emily	Davis	2
5	5	David	Wilson	2

← EXAMPLE 1.

121 %		
Results Messages		
	department_id	department_name
1	1	Sales
2	2	Marketing
3	3	IT

	employee_id	first_name	last_name	department_id
1	1	John	Doe	1
2	2	Jane	Smith	1
3	3	Michael	Johnson	2
4	4	Emily	Davis	3
5	5	David	Wilson	3

← EXAMPLE 2.

In both examples, the class_id and department_id columns in the many side of the relationship (Students and Employees tables, respectively) are foreign keys referencing the primary keys in the one side of the relationship (Classes and Departments tables, respectively).

This is an example of many-to-one relationship, where many students or employees can belong to one class or department.