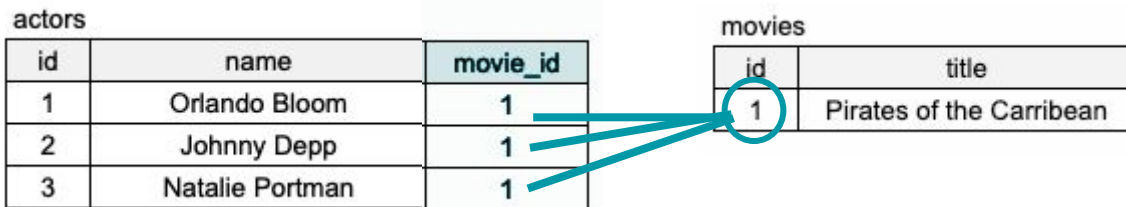# one - to - many

These **many** actors are in the **one** movie Pirates of the Carribean. We can draw **lines** to represent this one-to-many relationship.

actors

id	name
1	Orlando Bloom
2	Johnny Depp
3	Natalie Portman

movies

id	title
1	Pirates of the Carribean

Inside the database, however, we can't draw lines. Instead we'll add a foreign key **column** to point to the right **row** on the movies table.

actors

id	name	movie_id
1	Orlando Bloom	1
2	Johnny Depp	1
3	Natalie Portman	1

movies

id	title
1	Pirates of the Carribean

If at some point we want to interact with the data from both tables, we join the movies table onto it's associated column on the actors table.
JOIN movies ON actors.movie_id = movies.id

Behind the scenes...
You can kind of think of it as looking something like this --->

We can now easily play with all our data without actually storing multiple copies of it.

actors			movies
id	name	movie_id	movies.title
1	Orlando Bloom	1	Pirates of the Carribean
2	Johnny Depp	1	Pirates of the Carribean
3	Natalie Portman	1	Pirates of the Carribean