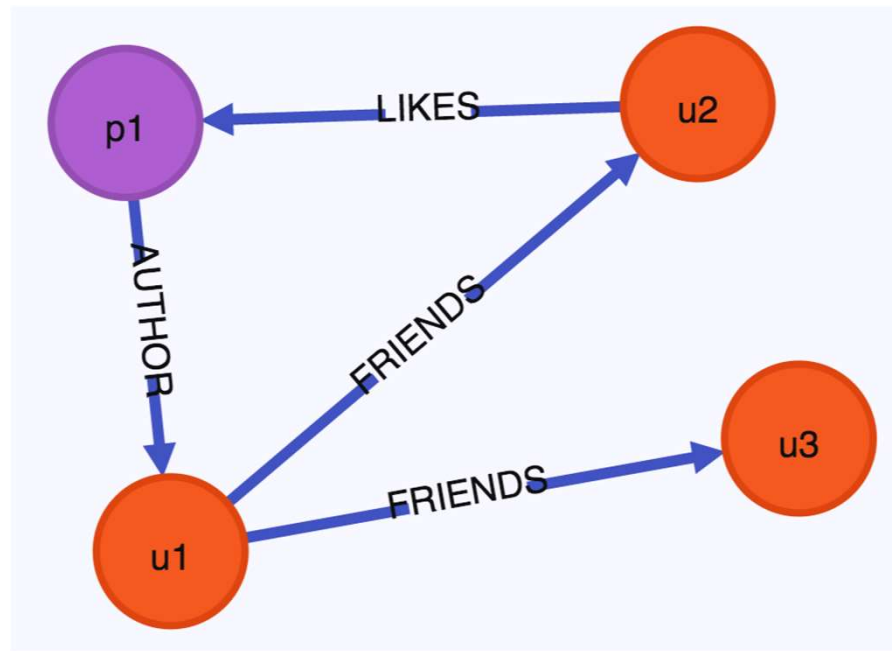


Introduction to Graph DB

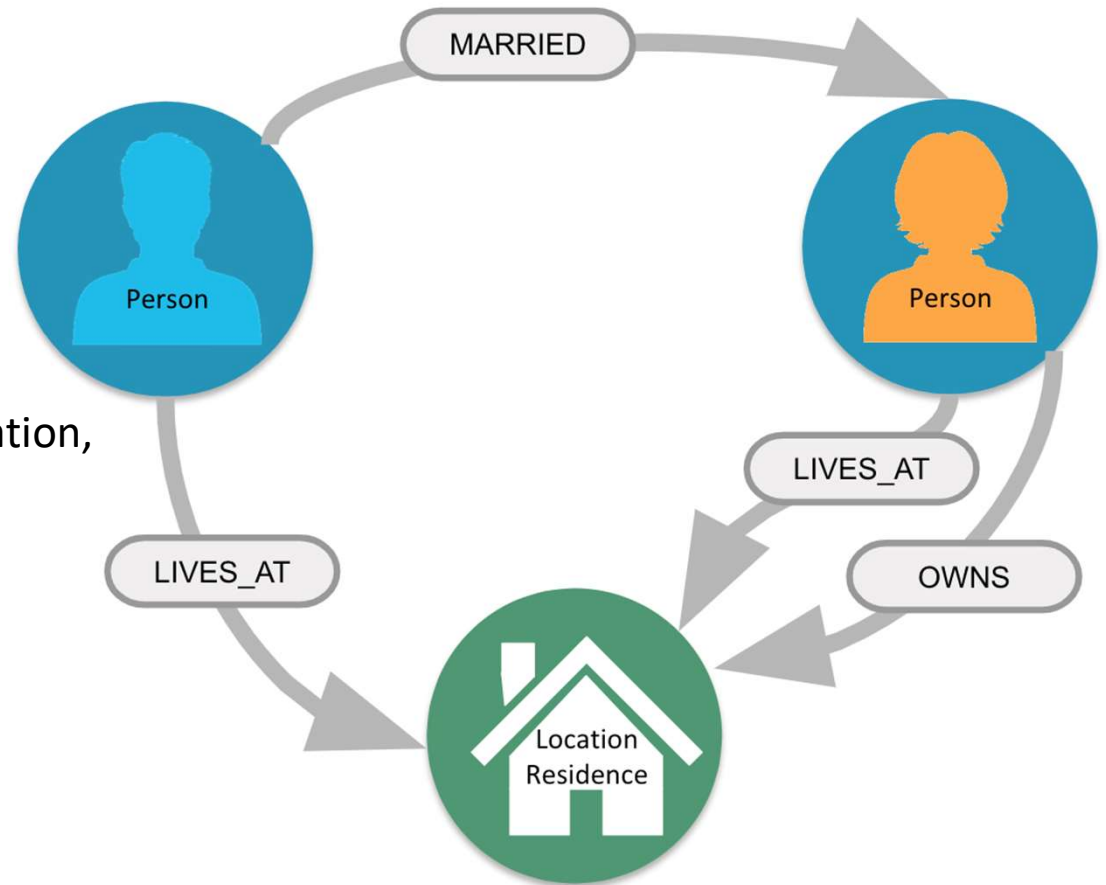
What Is a graph database?

- DBMS with CRUD operations working on a graph data model
- Relationships take first priority in graph databases
- Application doesn't have to infer data connections using foreign keys



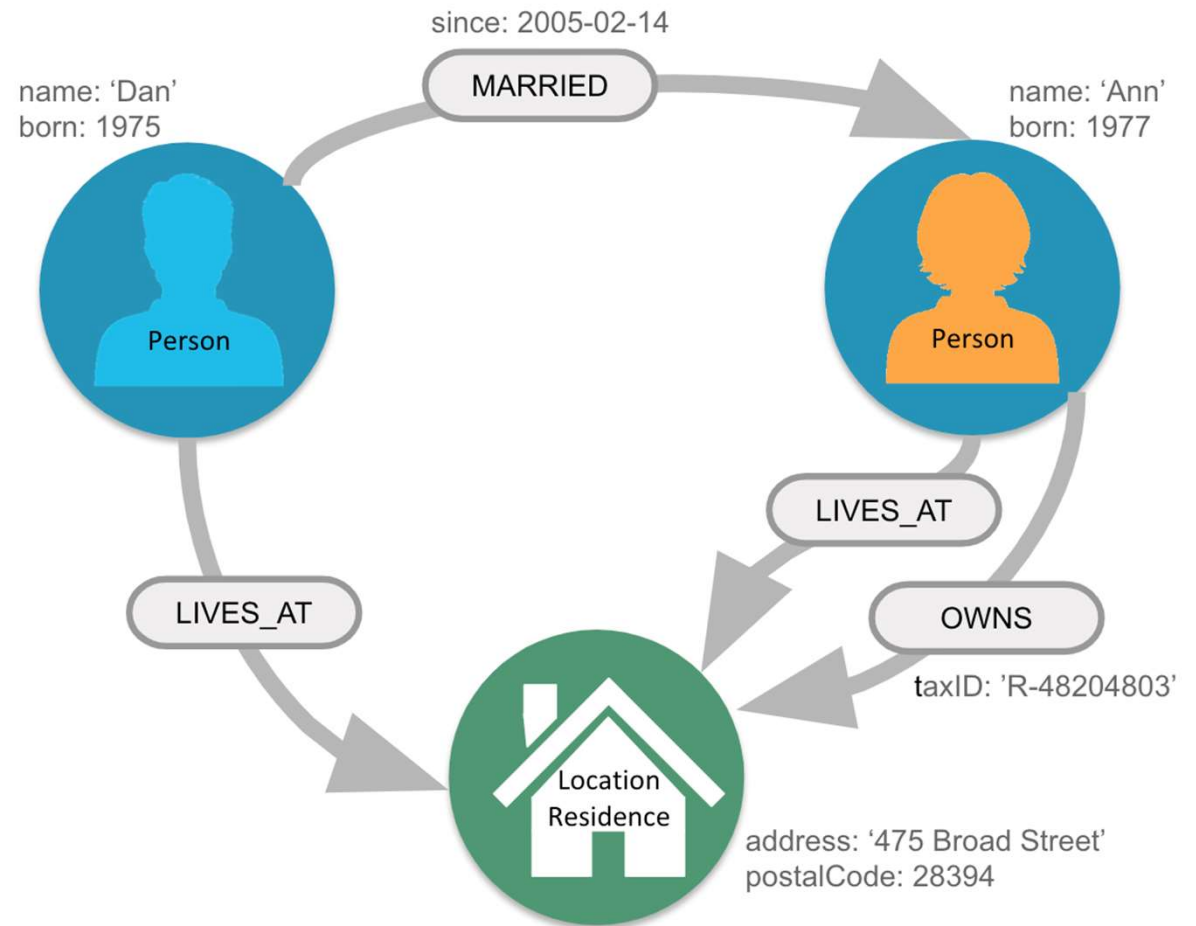
What is a graph?

- Composed of two elements
 - Nodes
 - Represents an entity (a person, place, thing, category or other piece of data)
 - Relationships
 - Relationship represents how two nodes are connected
 - For example, the two nodes Person and Location, might have the relationship LIVES_AT



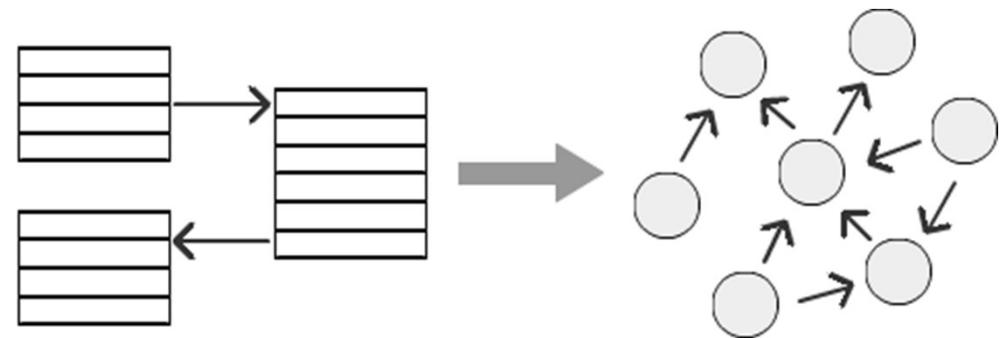
What is a graph?

- Neo4j database is a property graph
- To further enrich the graph model can add:
 - Properties
 - Relationships

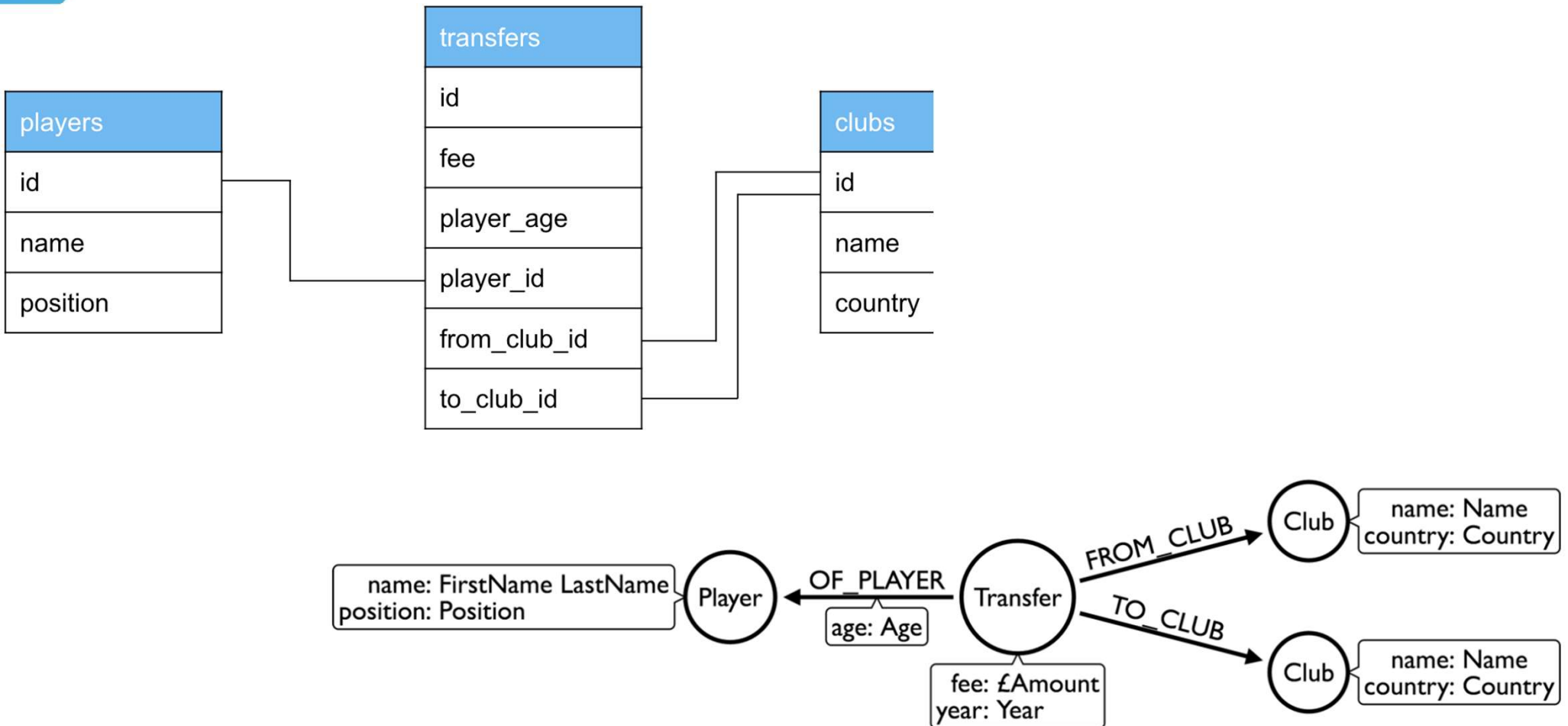


Modeling relational to graph

Relational	Graph
Rows	Nodes
Joins	Relationships
Table names	Labels
Columns	Properties



Modeling relational to graph



Modeling relational to graph

