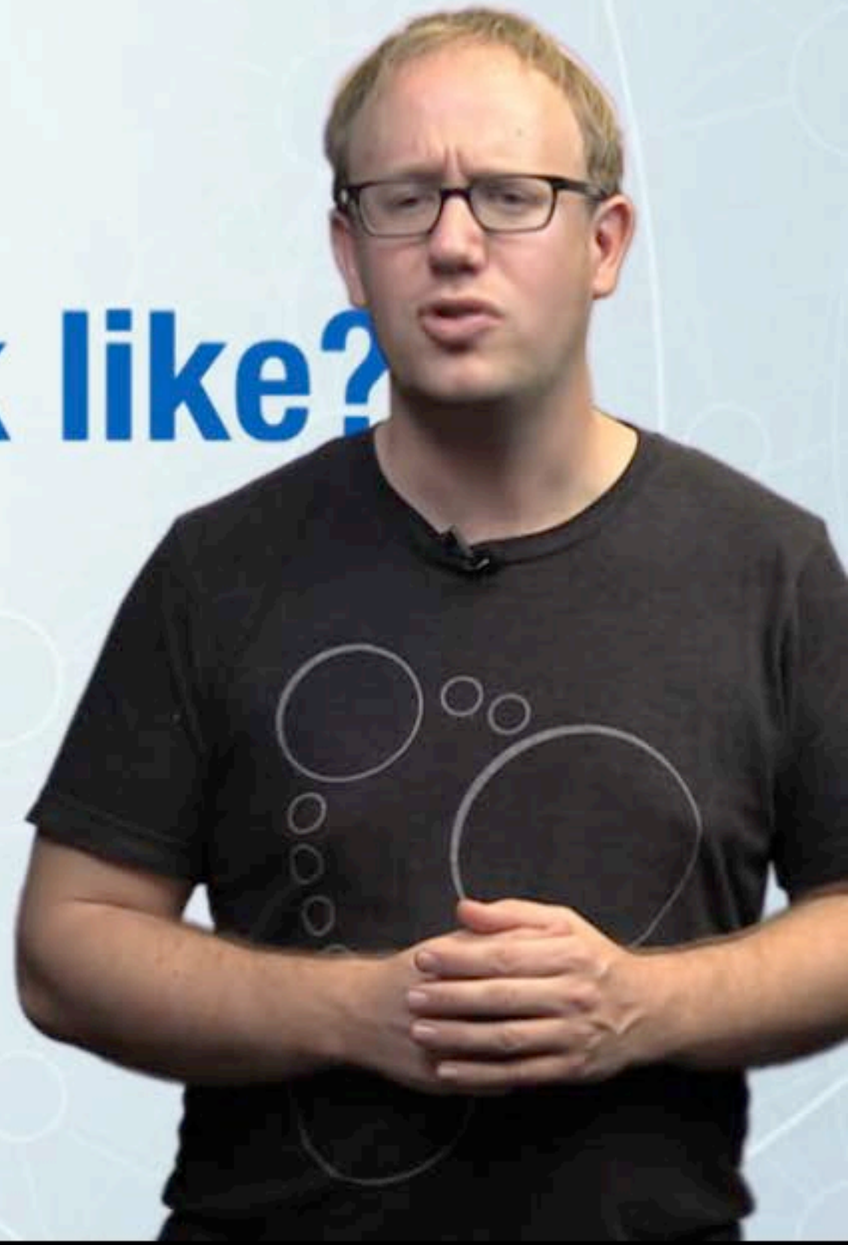
neo4j

INTRO TO GRAPH DATABASES

Episode 3
Graph Modeling

What does a Graph look like?



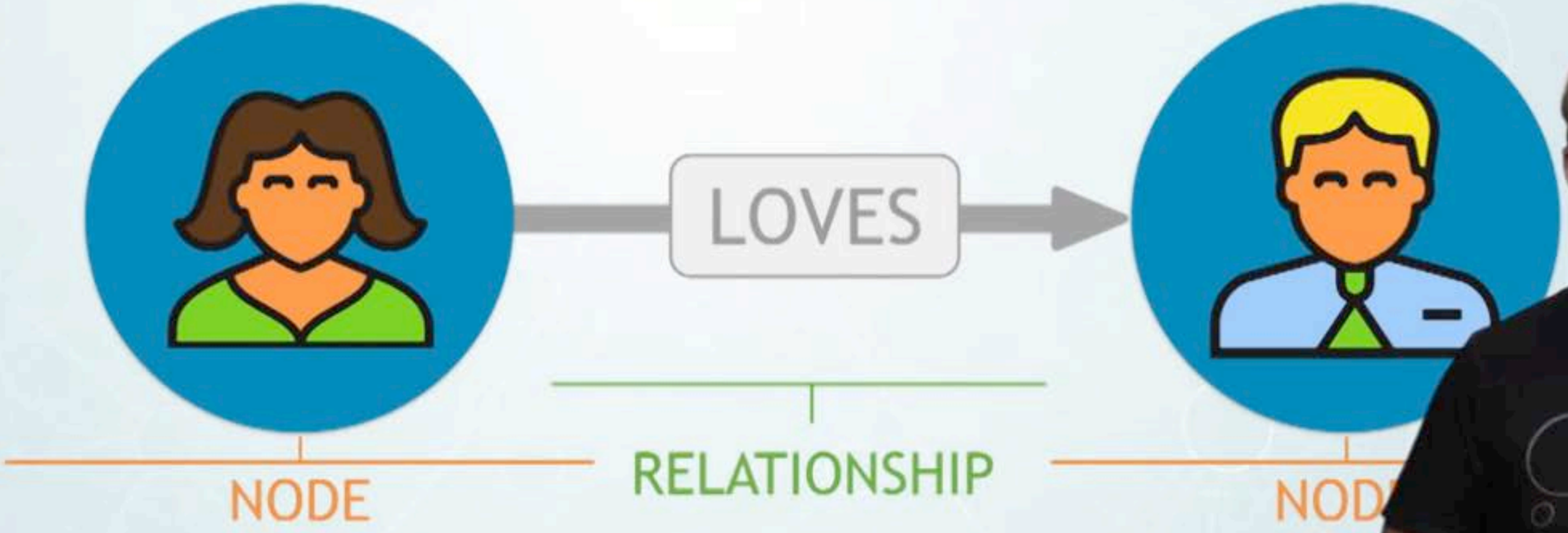
Ann Loves Dan

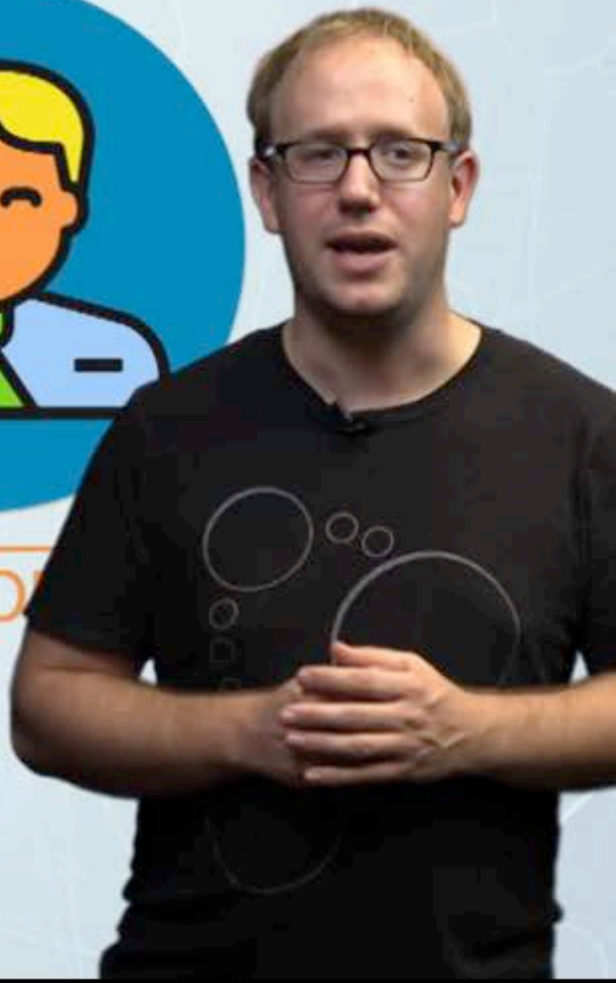
Ann

Loves

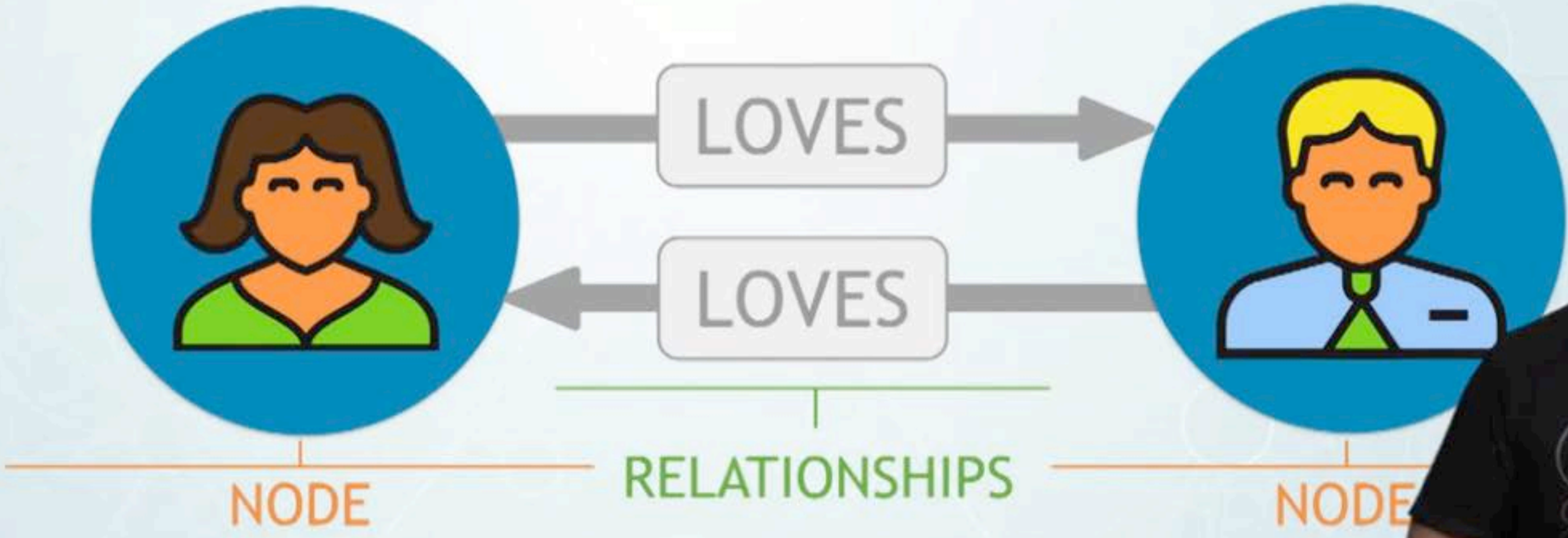
Dan

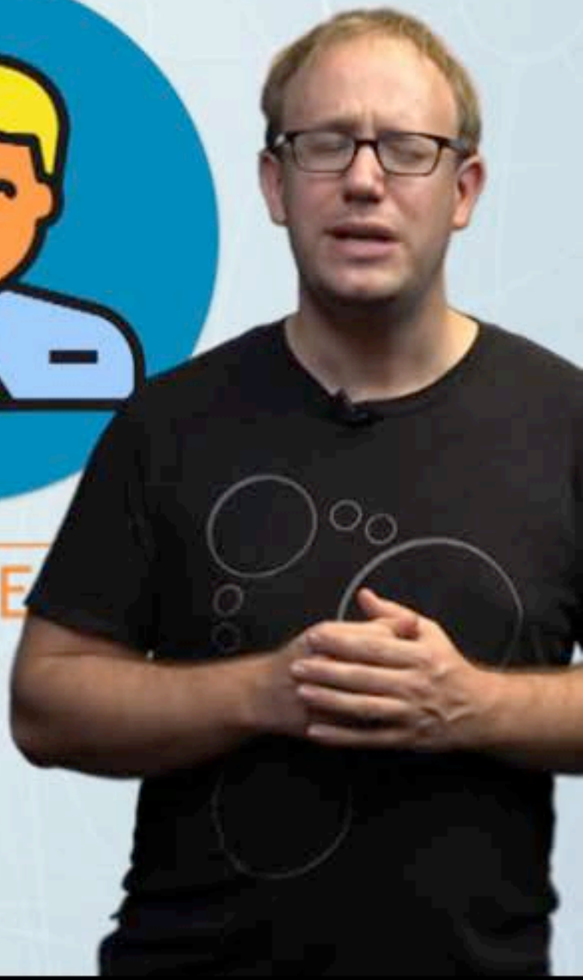
Ann Loves Dan





Relationships are Directional





Detailed Property Graph

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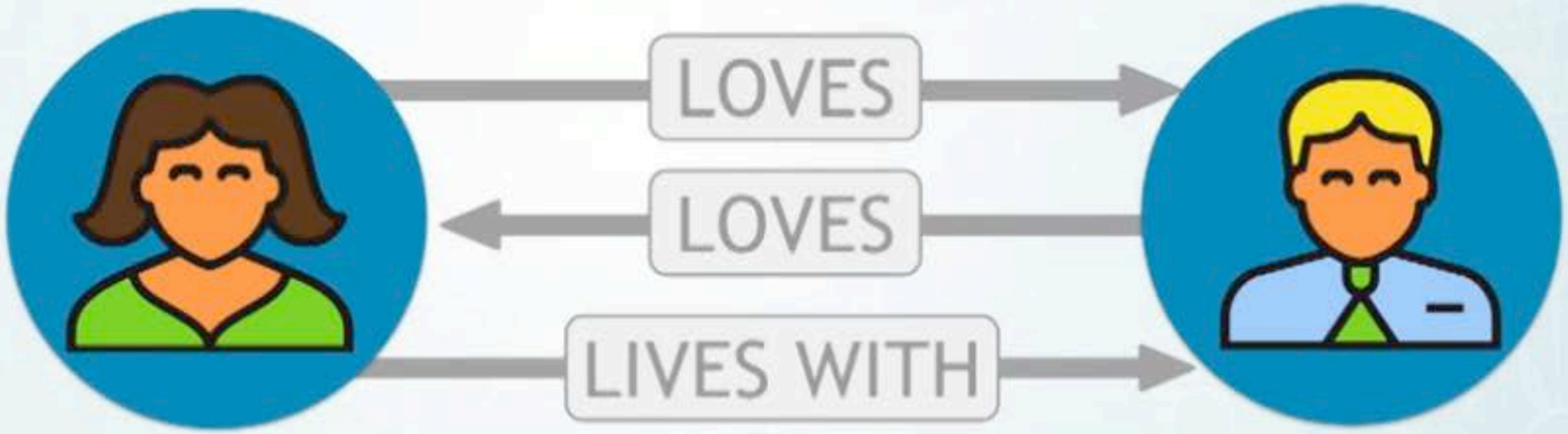

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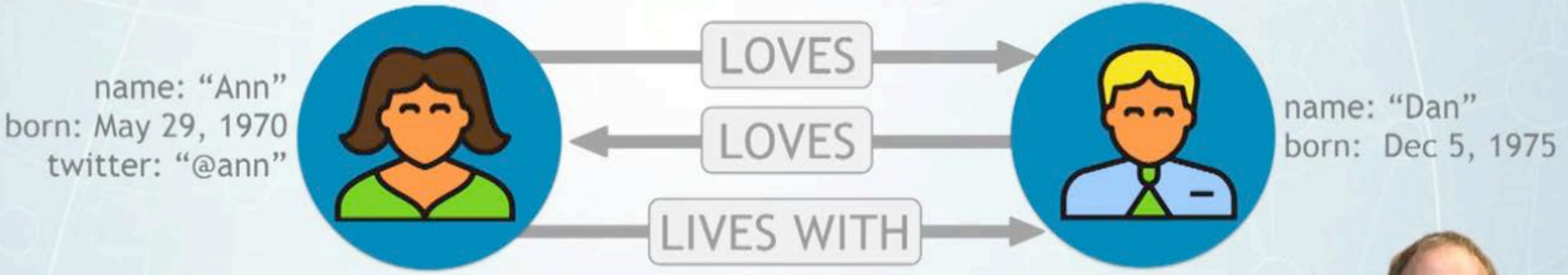

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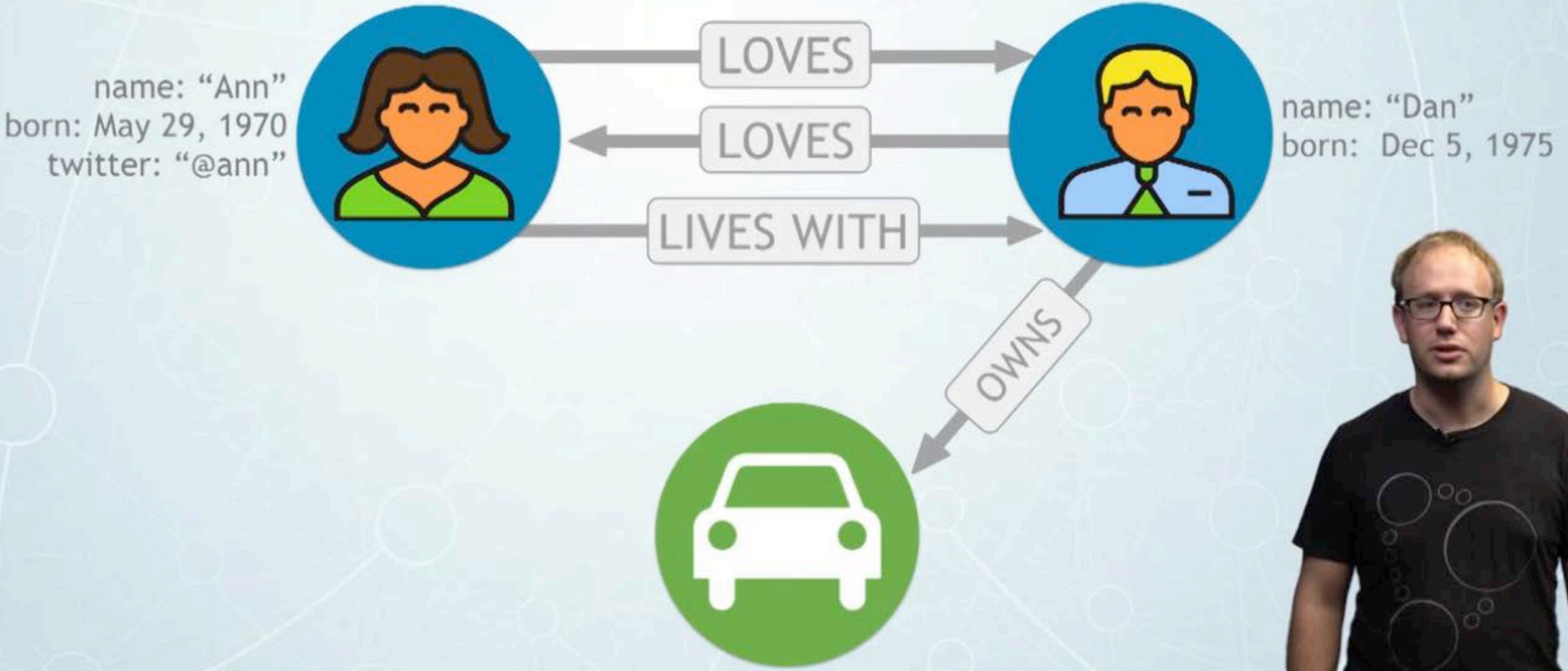

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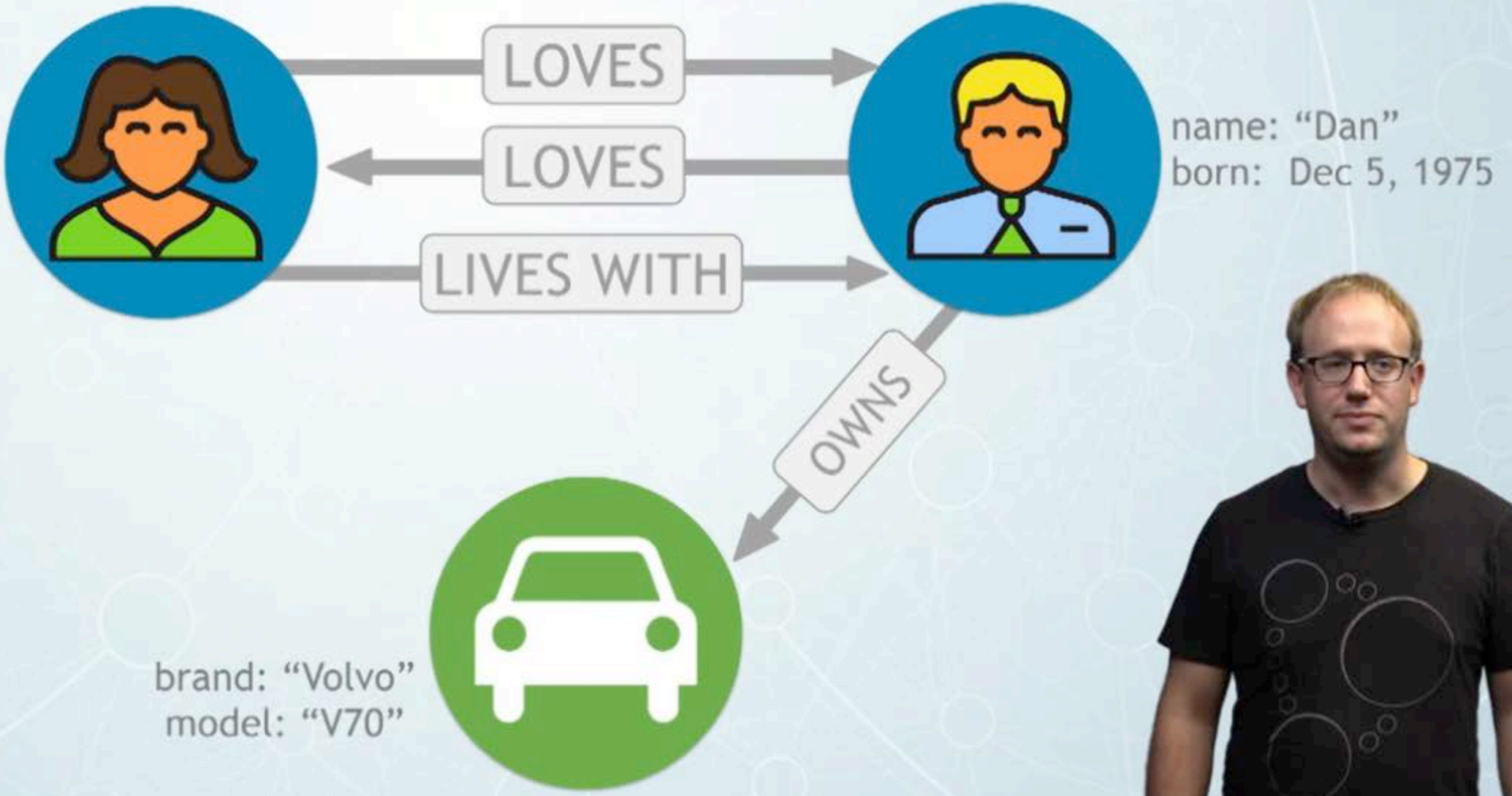

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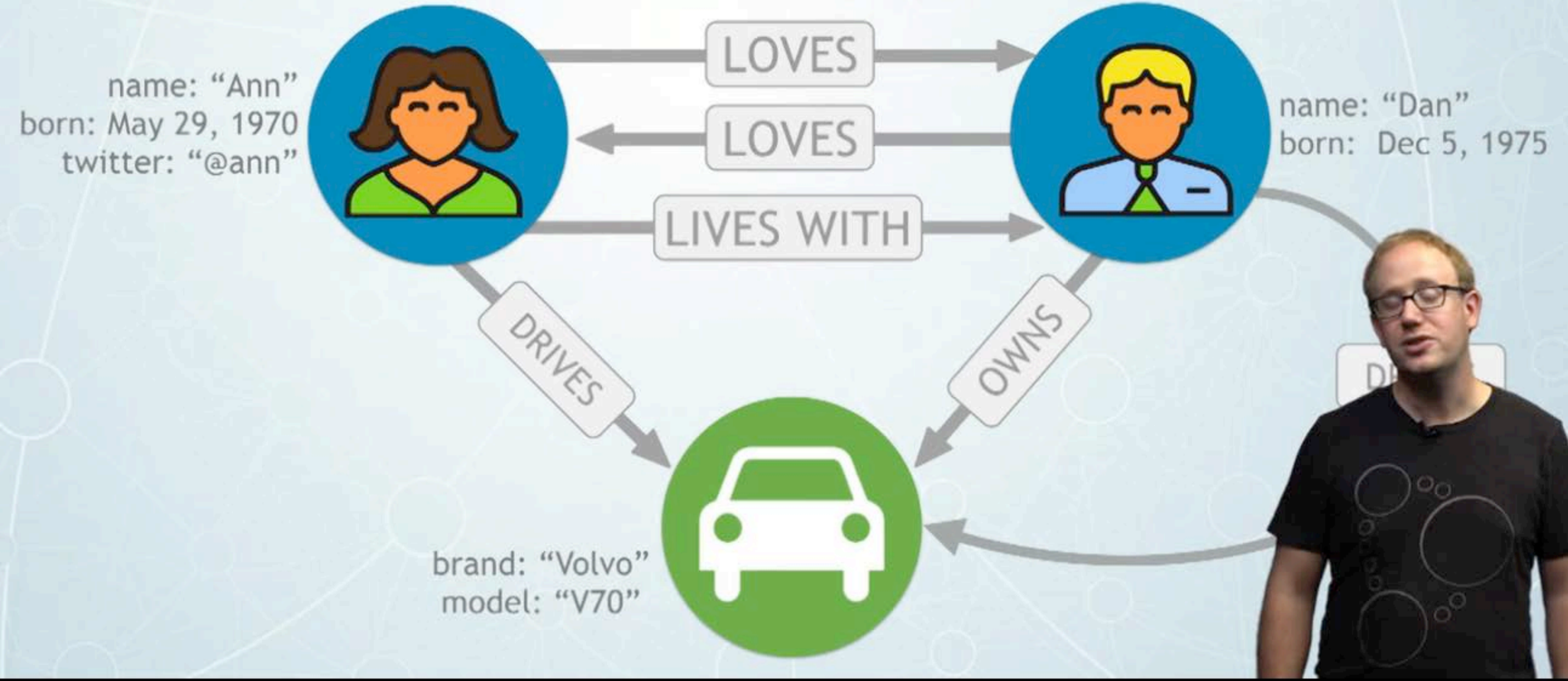
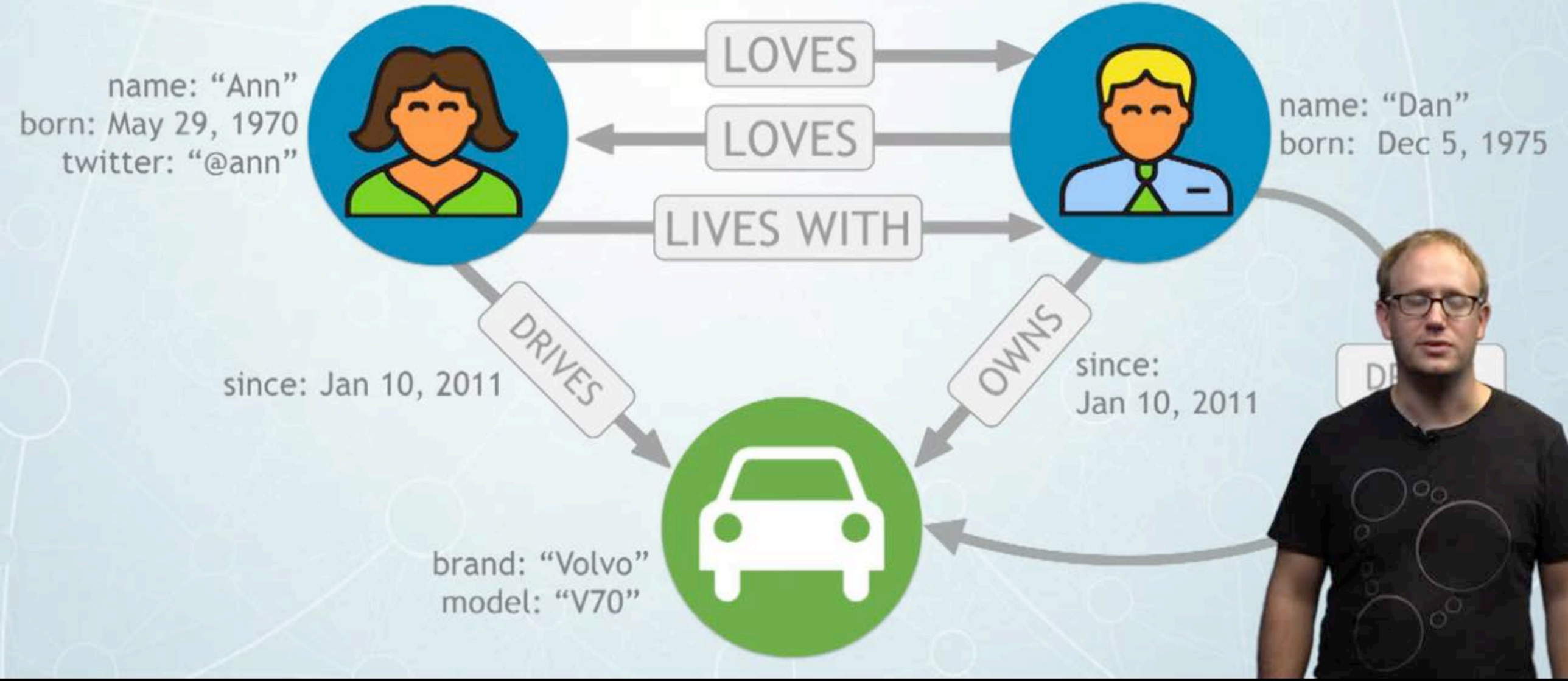
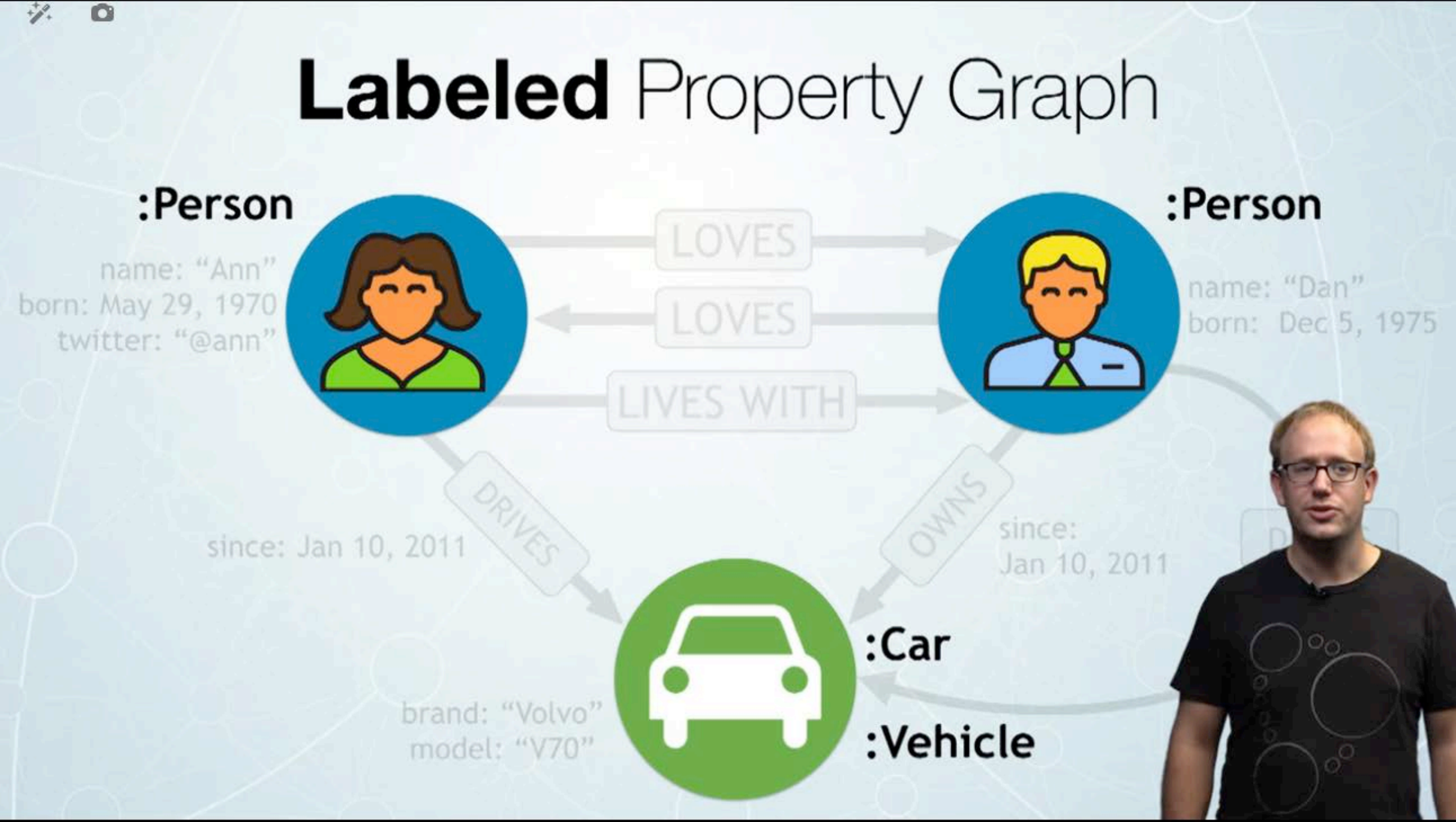


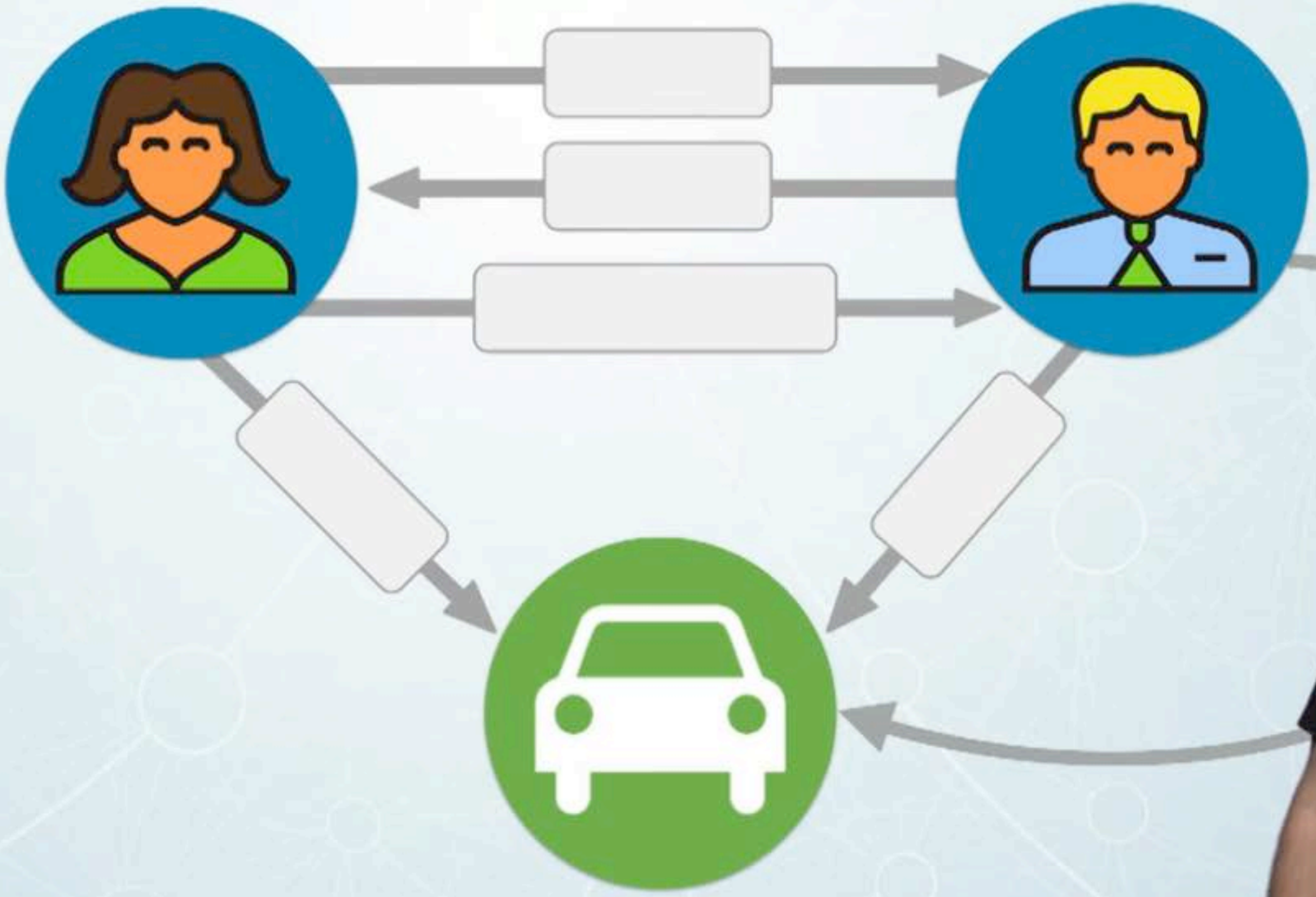
Detailed Property Graph



Labeled Property Graph



Mapping to Languages



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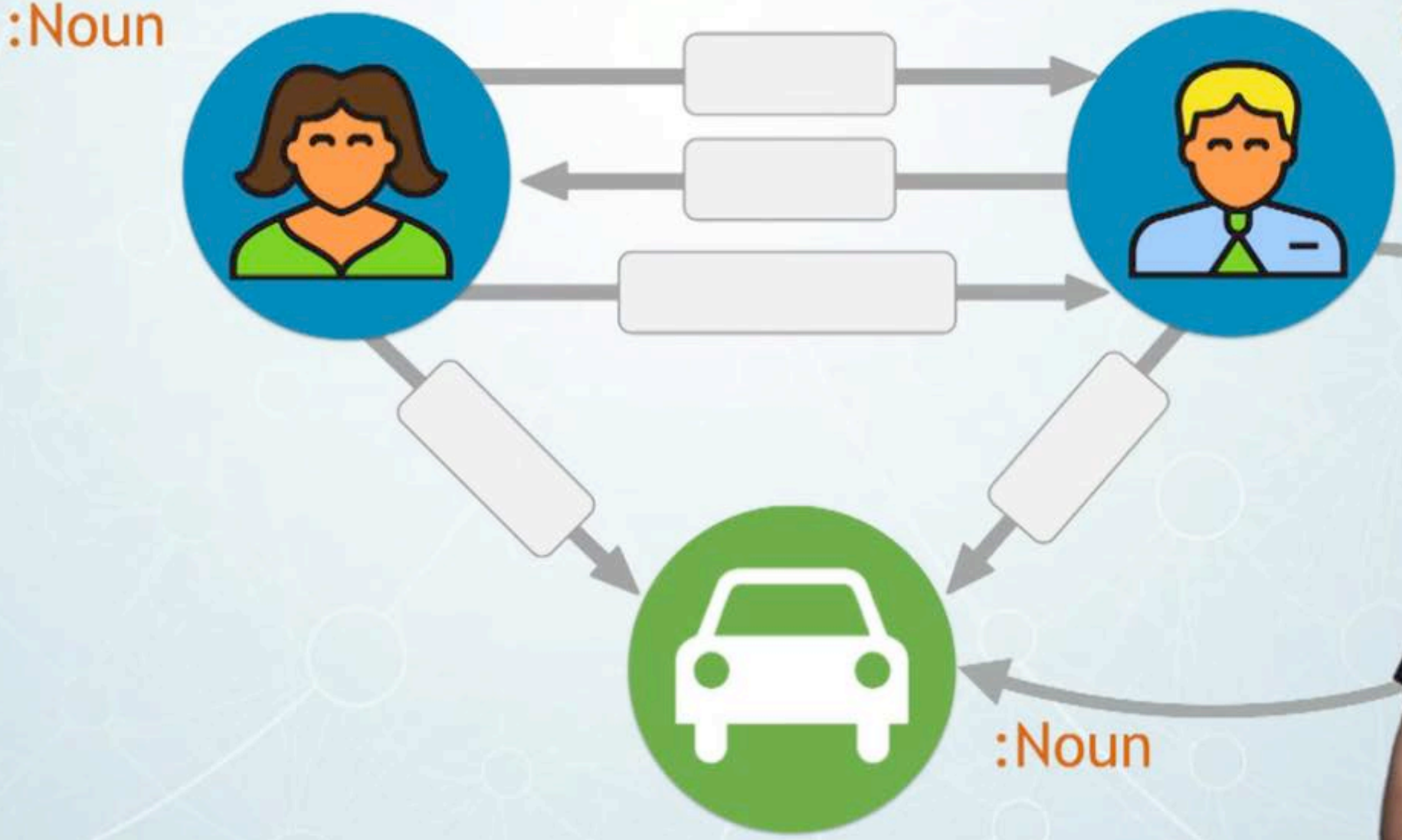

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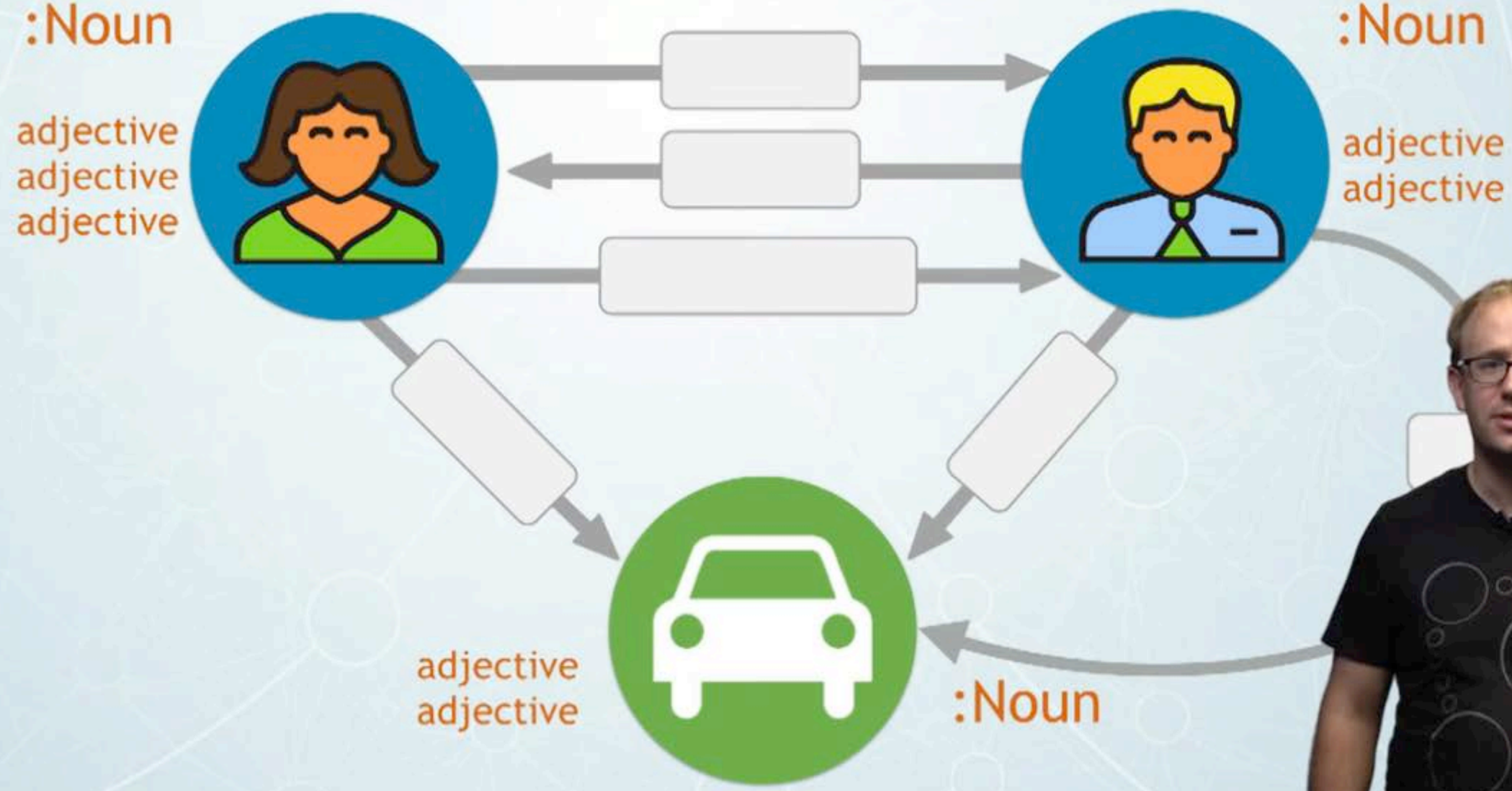

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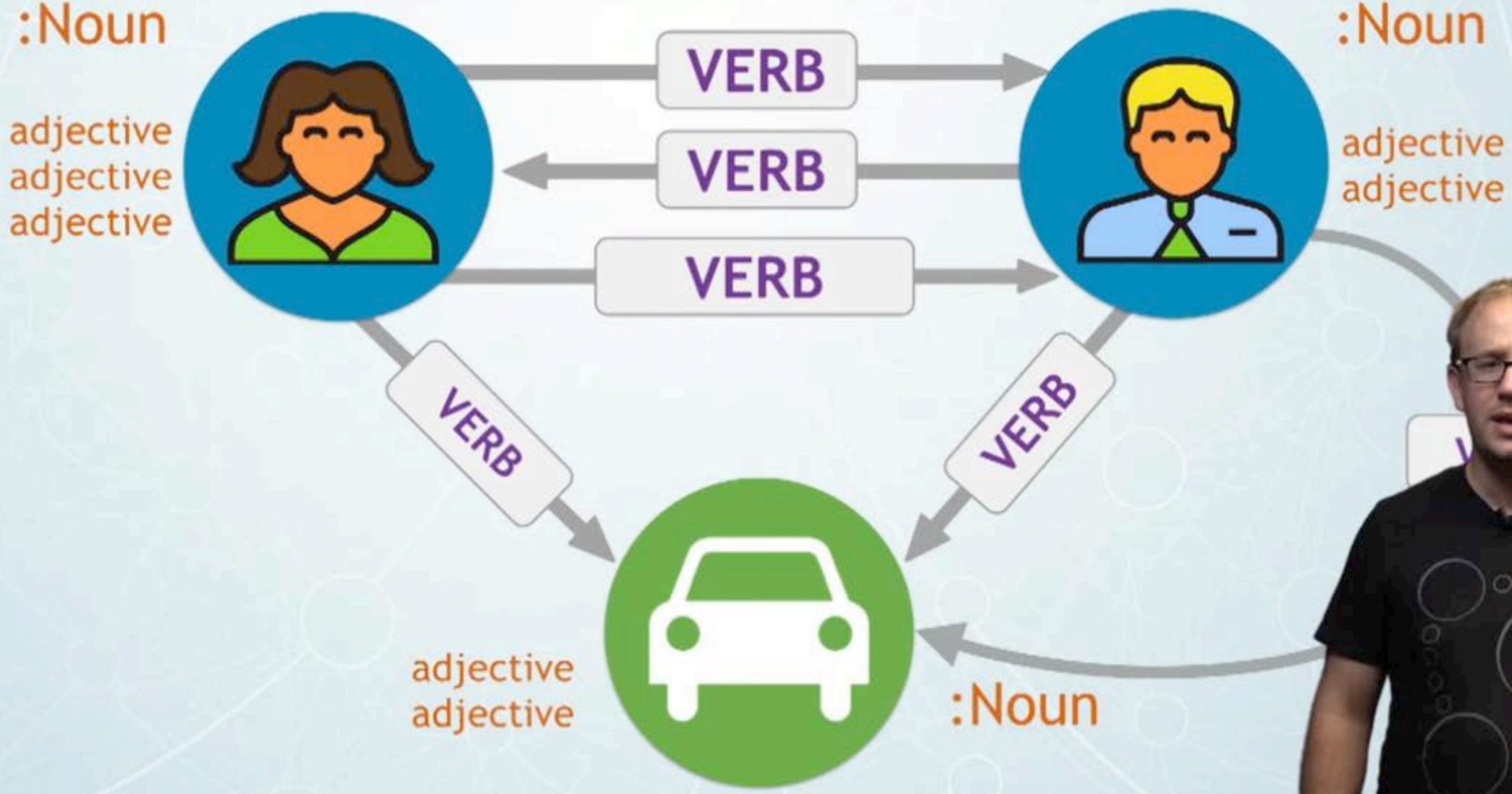

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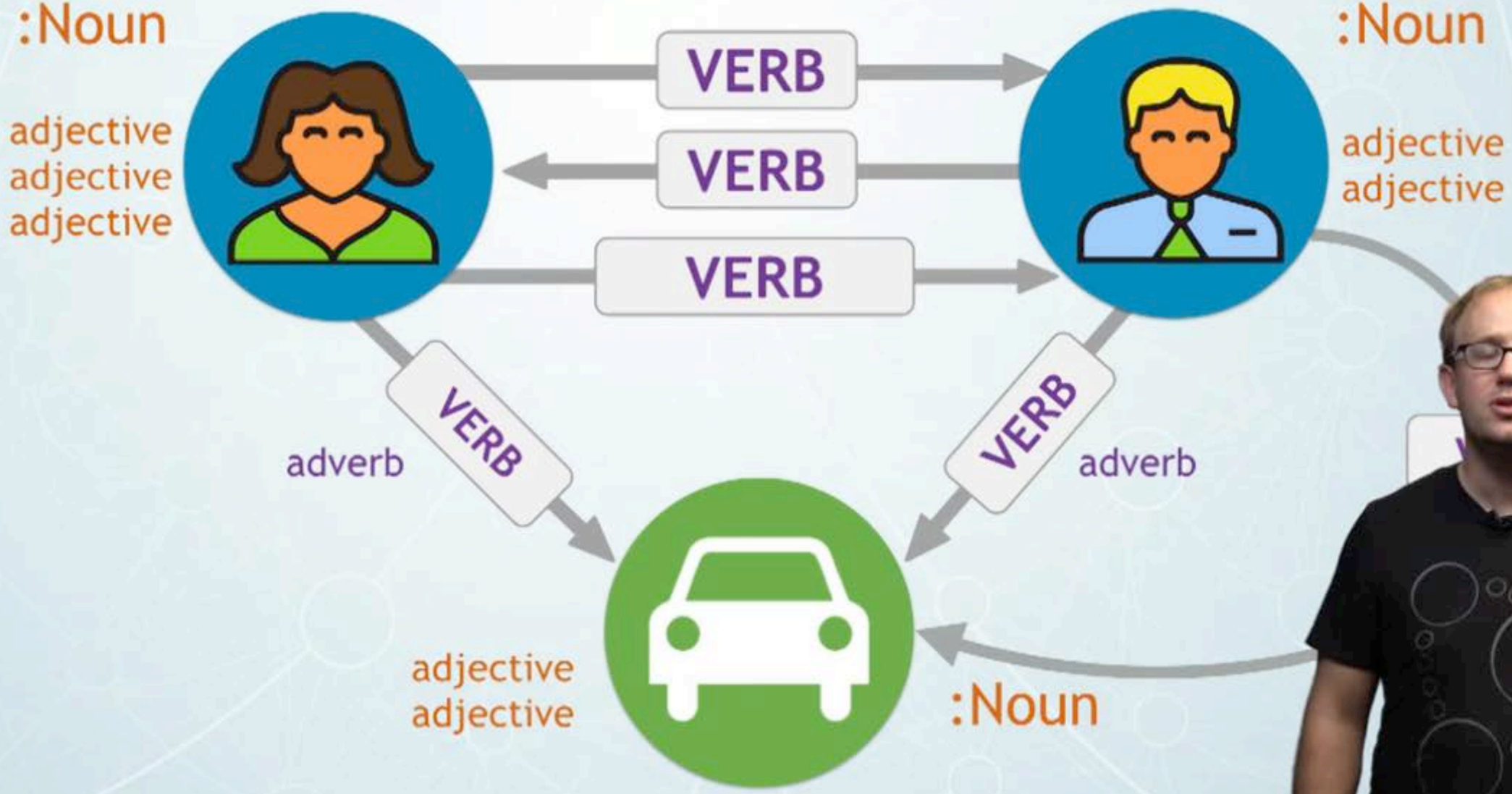
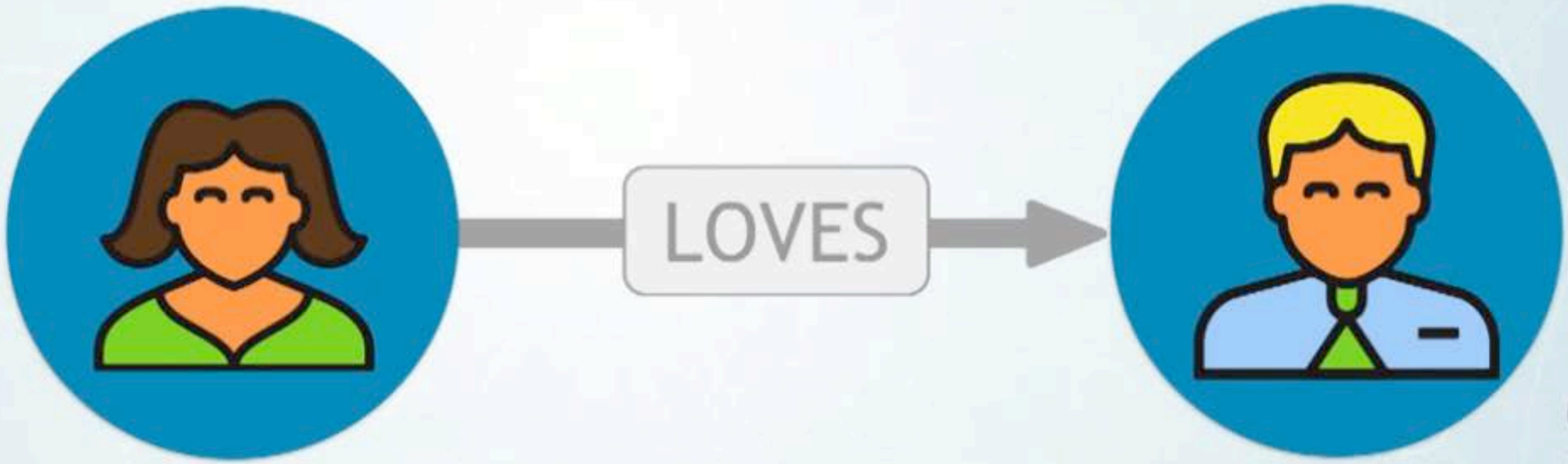


(Very) Brief Cypher Tutorial

Creating the Data

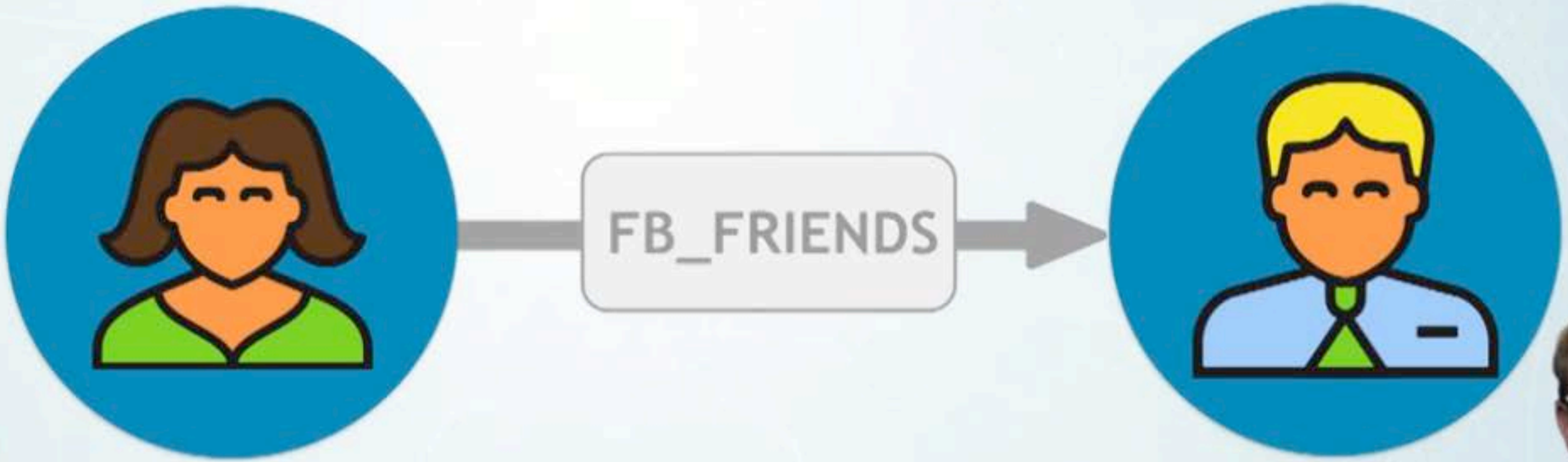


NODE NODE

```
CREATE (:Person { name:“Ann”} ) - [:LOVES]-> (:Person { name:“
```

LABEL PROPERTY LABEL PRO

Representing Bi-Directionality



MATCH (:Person {name:“Ann”}) - **[:FB_FRIENDS]** -**>** (:Person { name

Matches just the Ann/Dan friendship, as long as Ann initiated it

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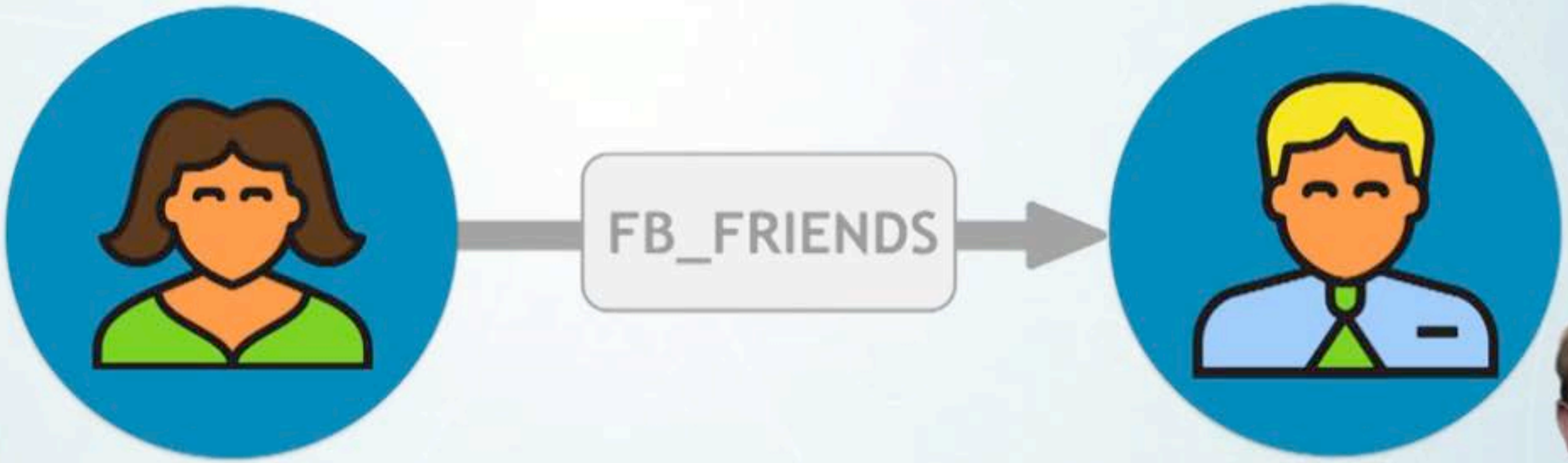
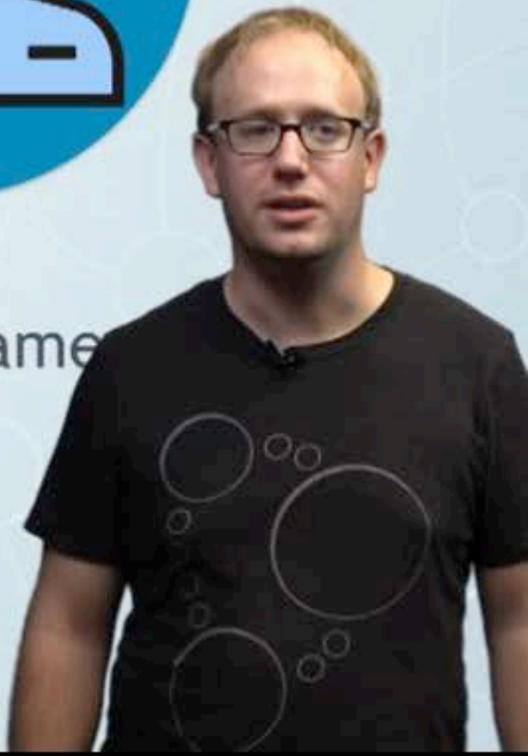


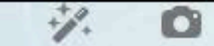
MATCH (:Person {name:“Ann”}) - **[:FB_FRIENDS]** -**>** (:Person { name

Matches just the Ann/Dan friendship, as long as Ann initiated it

MATCH (:Person {name:“Ann”}) - **[:FB_FRIENDS]** - (p:Person)

Matches all of Ann’s friends, regardless of who initiated the friendship





THANK YOU!

neo4j

Ryan Boyd
@ryguyrg