Designing an ER Diagram

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Documents
Database Course: Lucid
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Company Data Requirements

The company is organized into branches. Each branch has a unique number, a name, and a particular employee who manages it.

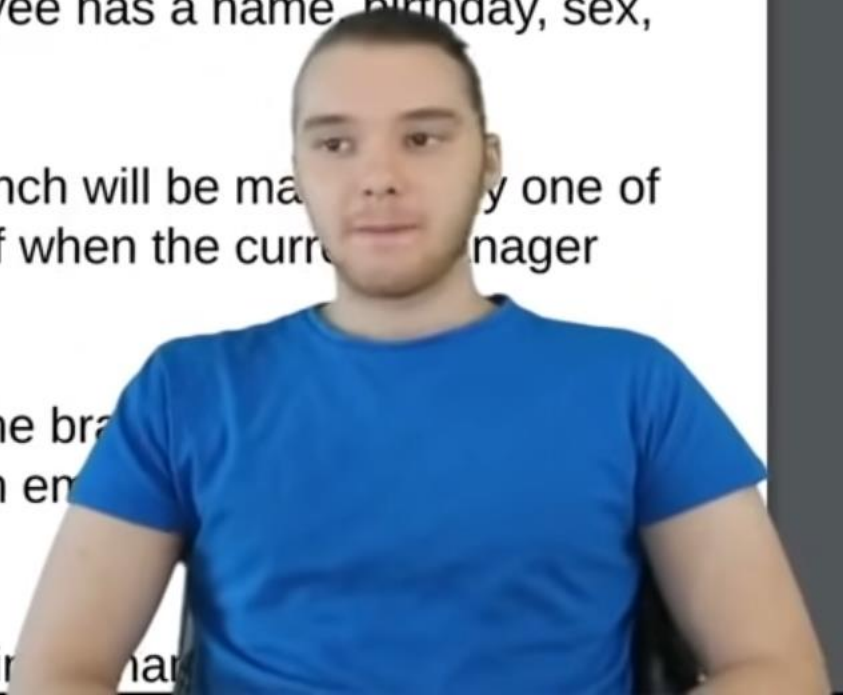
The company makes it's money by selling to clients. Each client has a name and a unique number to identify it.

The foundation of the company is it's employees. Each employee has a name, birthday, sex, salary and a unique number.

An employee can work for one branch at a time, and each branch will be ma y one of the employees that work there. We'll also want to keep track of when the curr nager started as manager.

An employee can act as a supervisor for other employees at the br also act as the supervisor for employees at other branches. An em one supervisor.

A branch may handle a number of clients, with each client havi har



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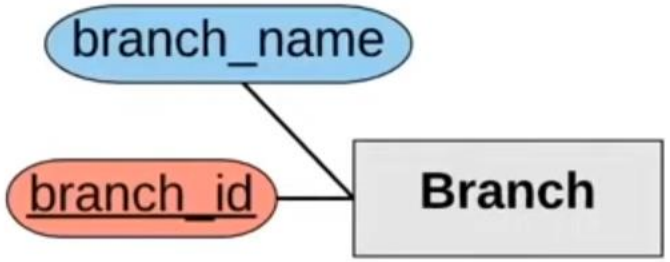
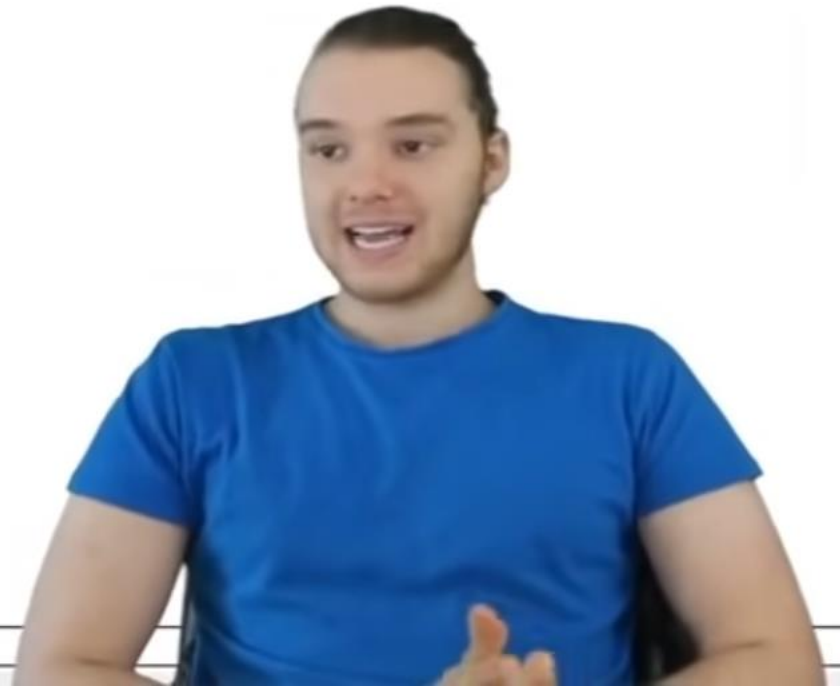
The company is organized into **branches**. Each branch has a unique number, and a name





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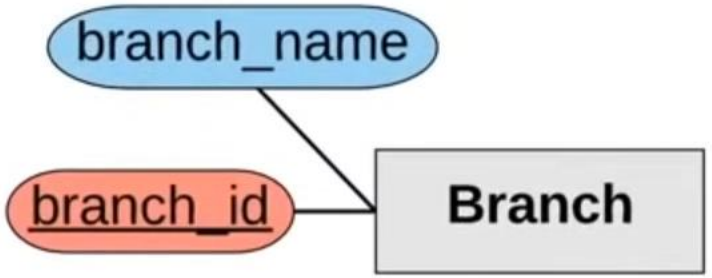
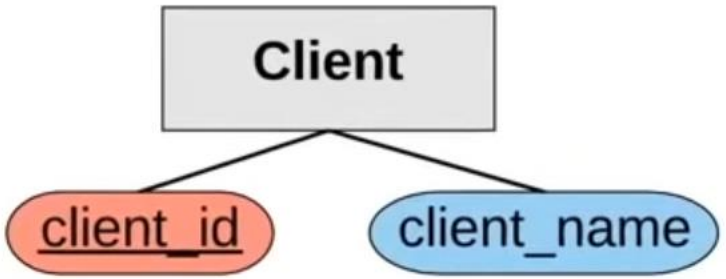
The company makes it's money by selling to **clients**. Each **client** has a name and a unique number to identify it.





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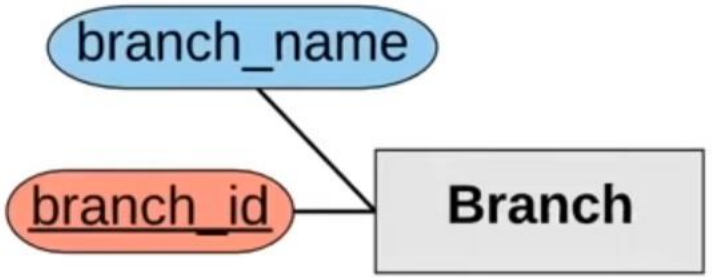
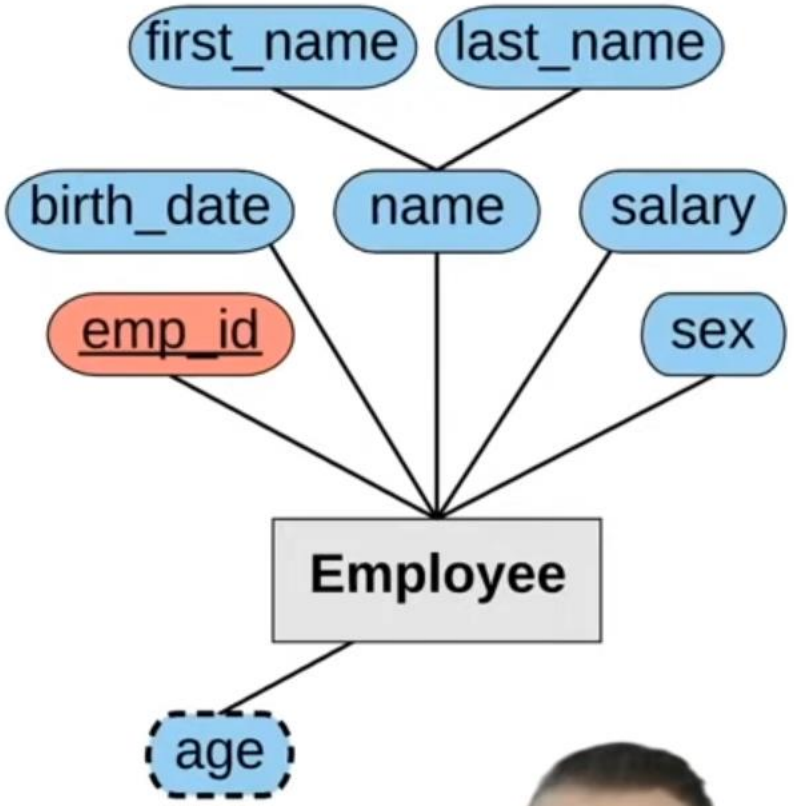
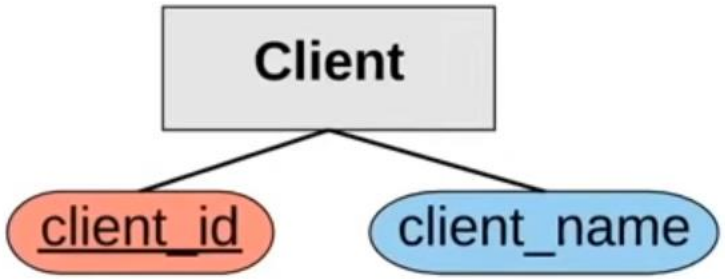
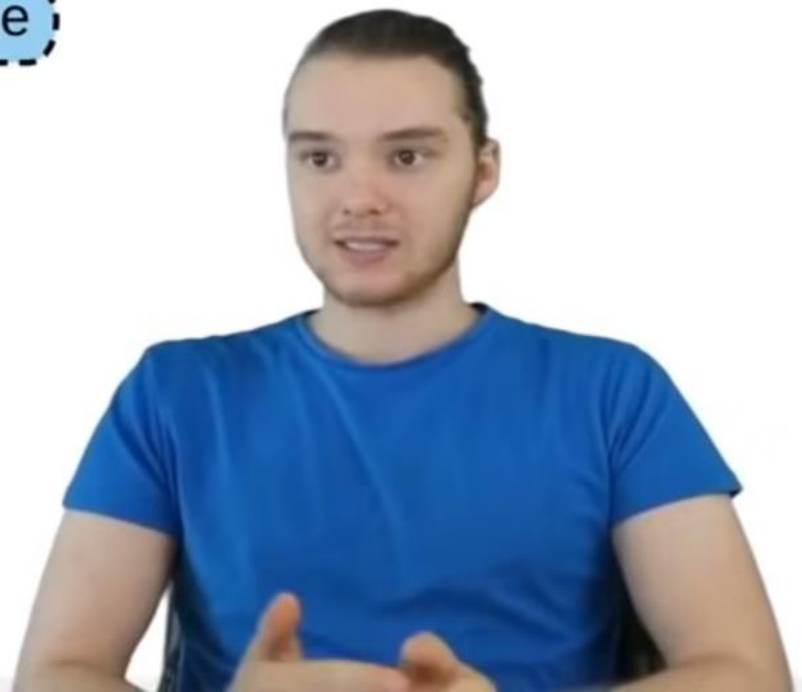
The foundation of the company is it's **employees**. Each **employee** has a name, birthday, sex, salary and a unique number to identify it.









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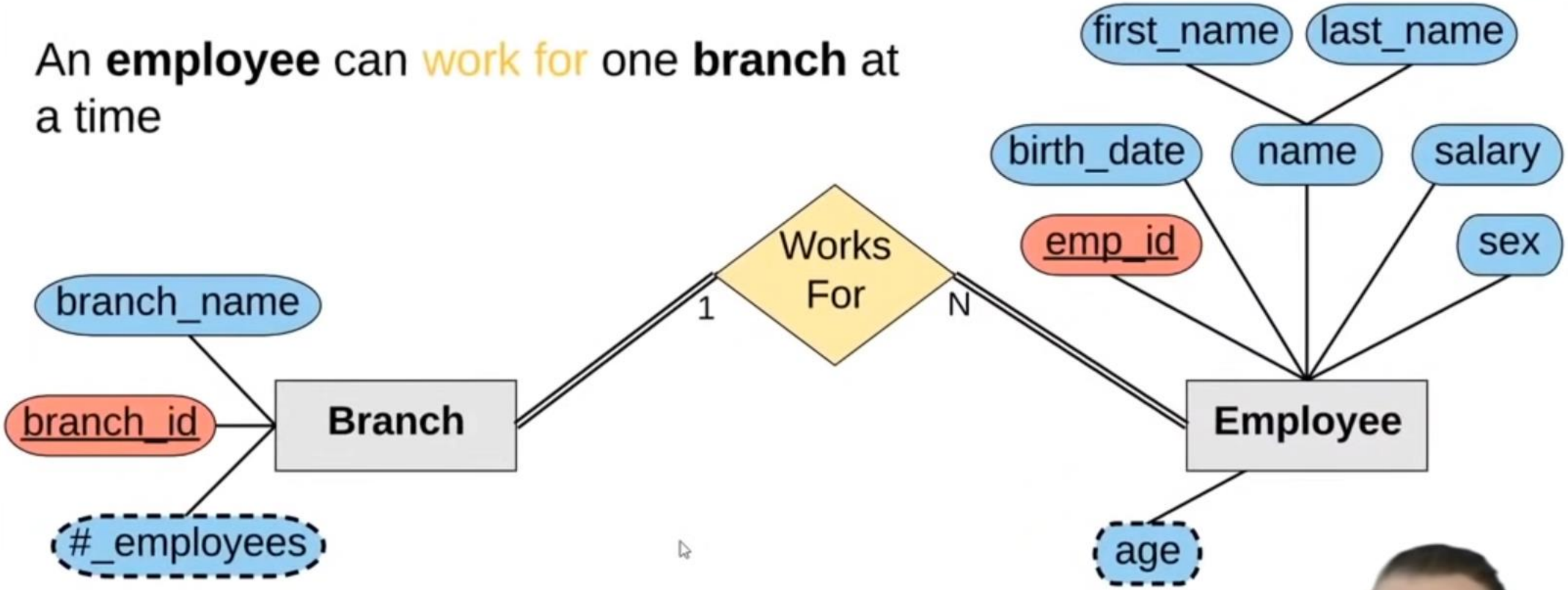
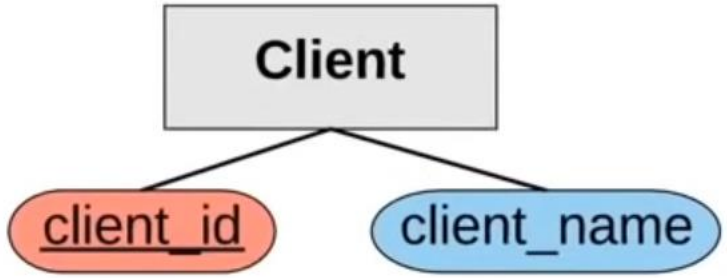
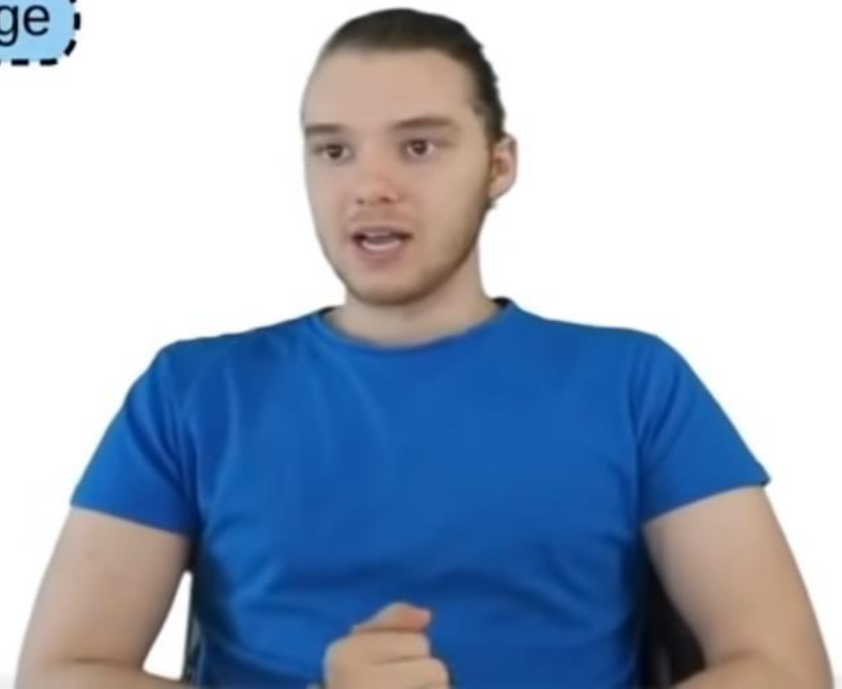
An **employee** can work for one **branch** at a time







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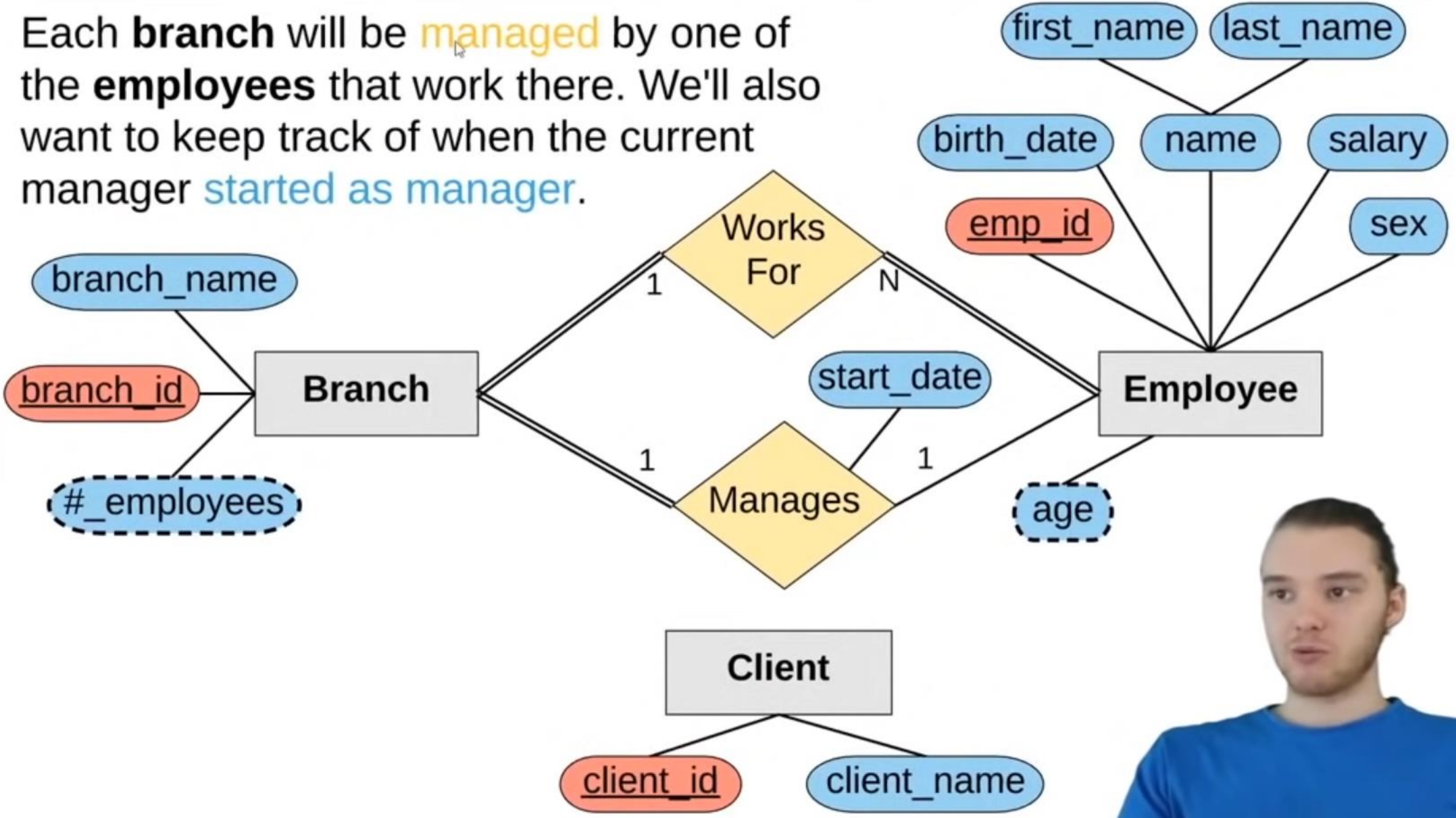
Each **branch** will be managed by one of the **employees** that work there. We'll also want to keep track of when the current manager started as manager.



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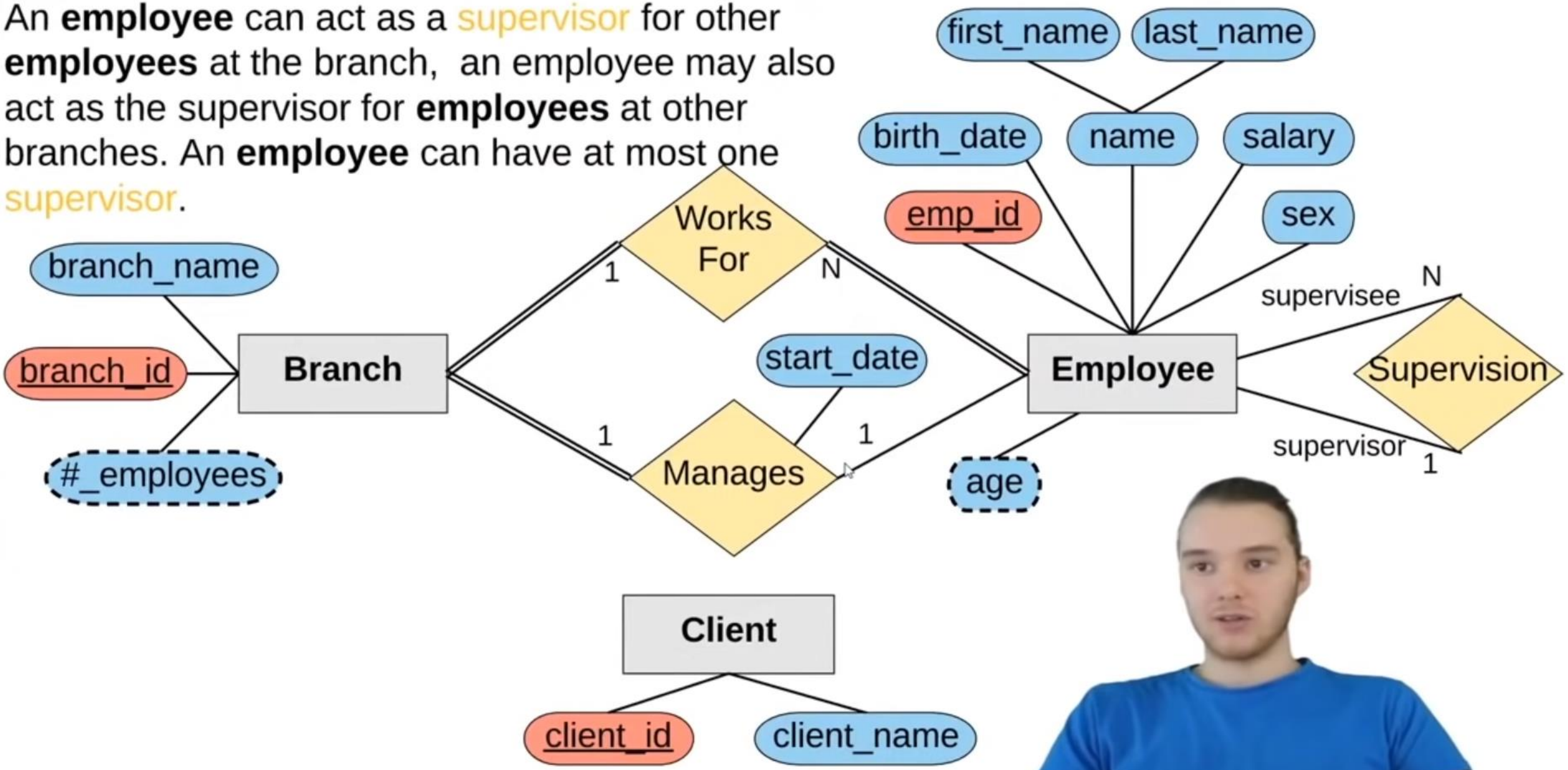
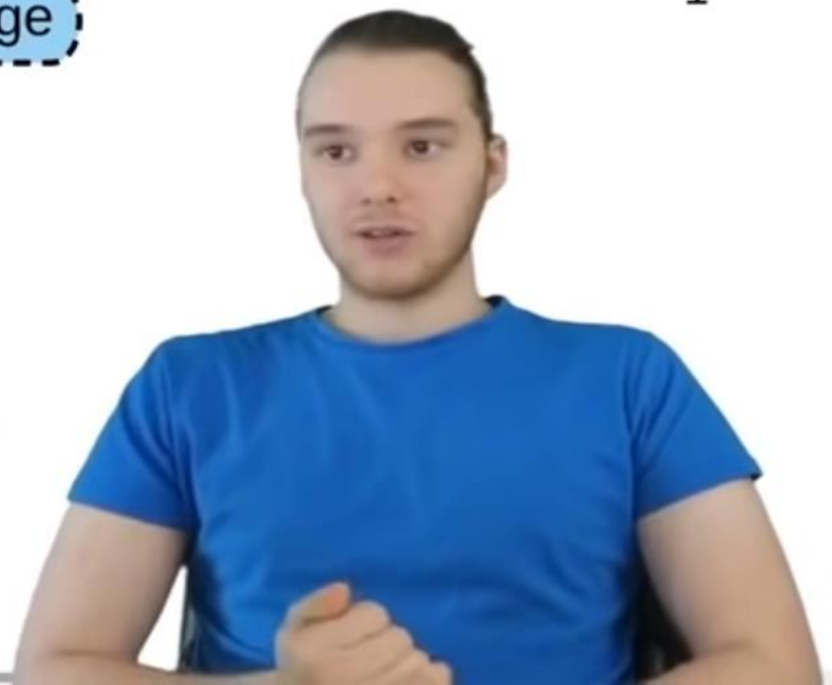
An **employee** can act as a supervisor for other **employees** at the branch, an employee may also act as the supervisor for **employees** at other branches. An **employee** can have at most one supervisor.





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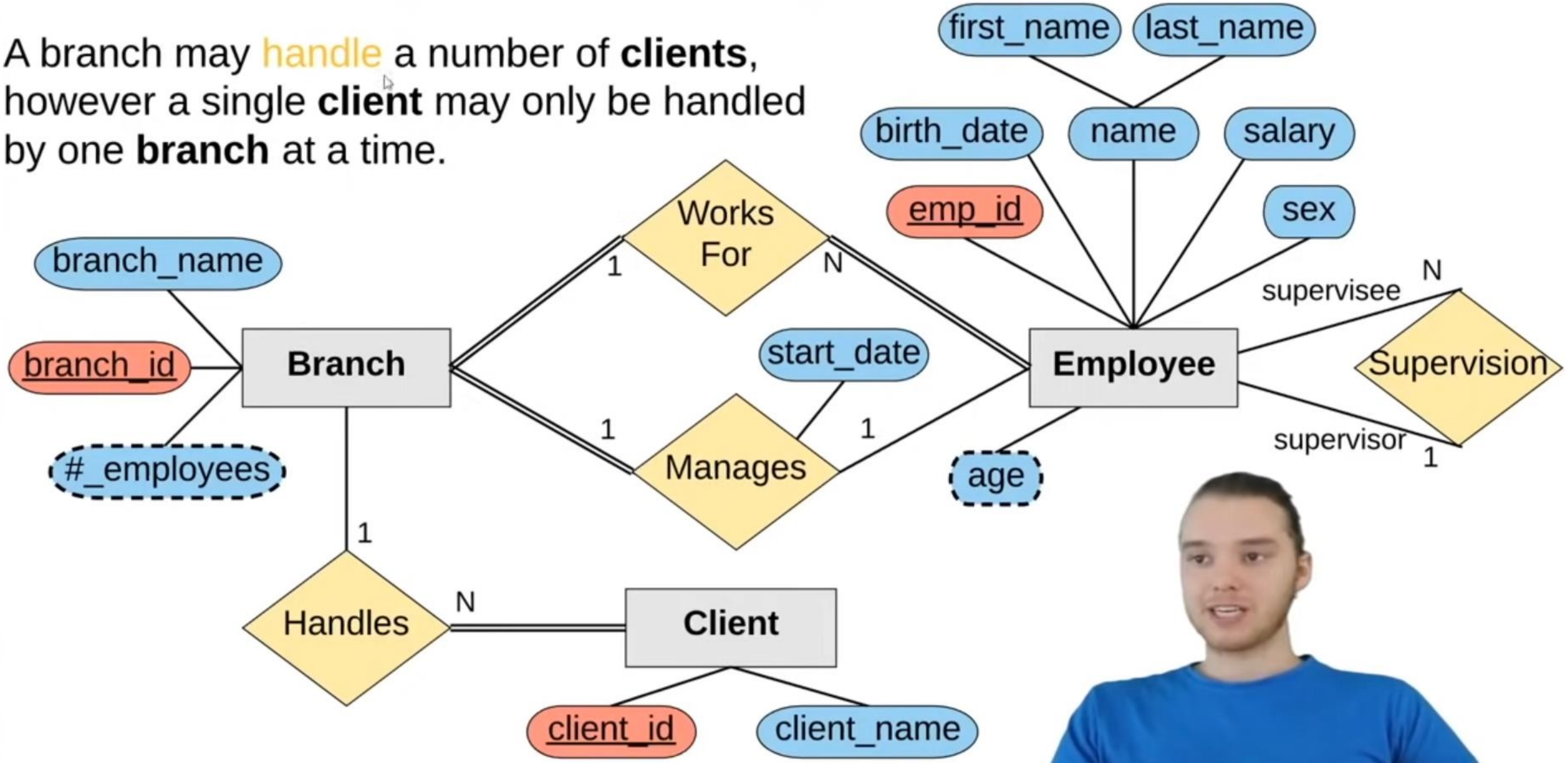
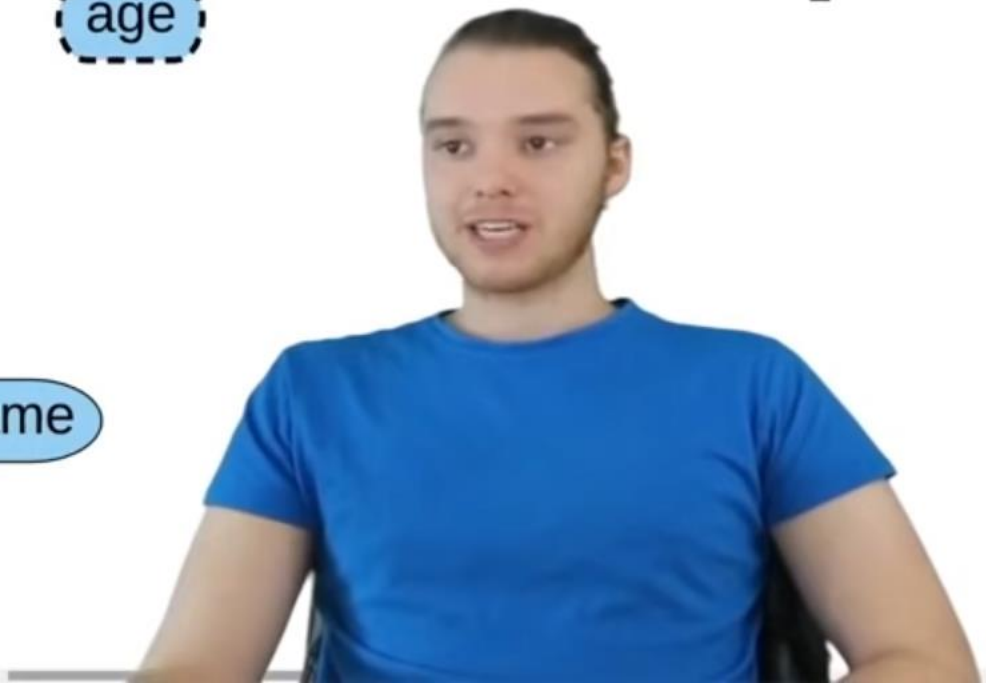
A branch may handle a number of **clients**, however a single **client** may only be handled by one **branch** at a time.





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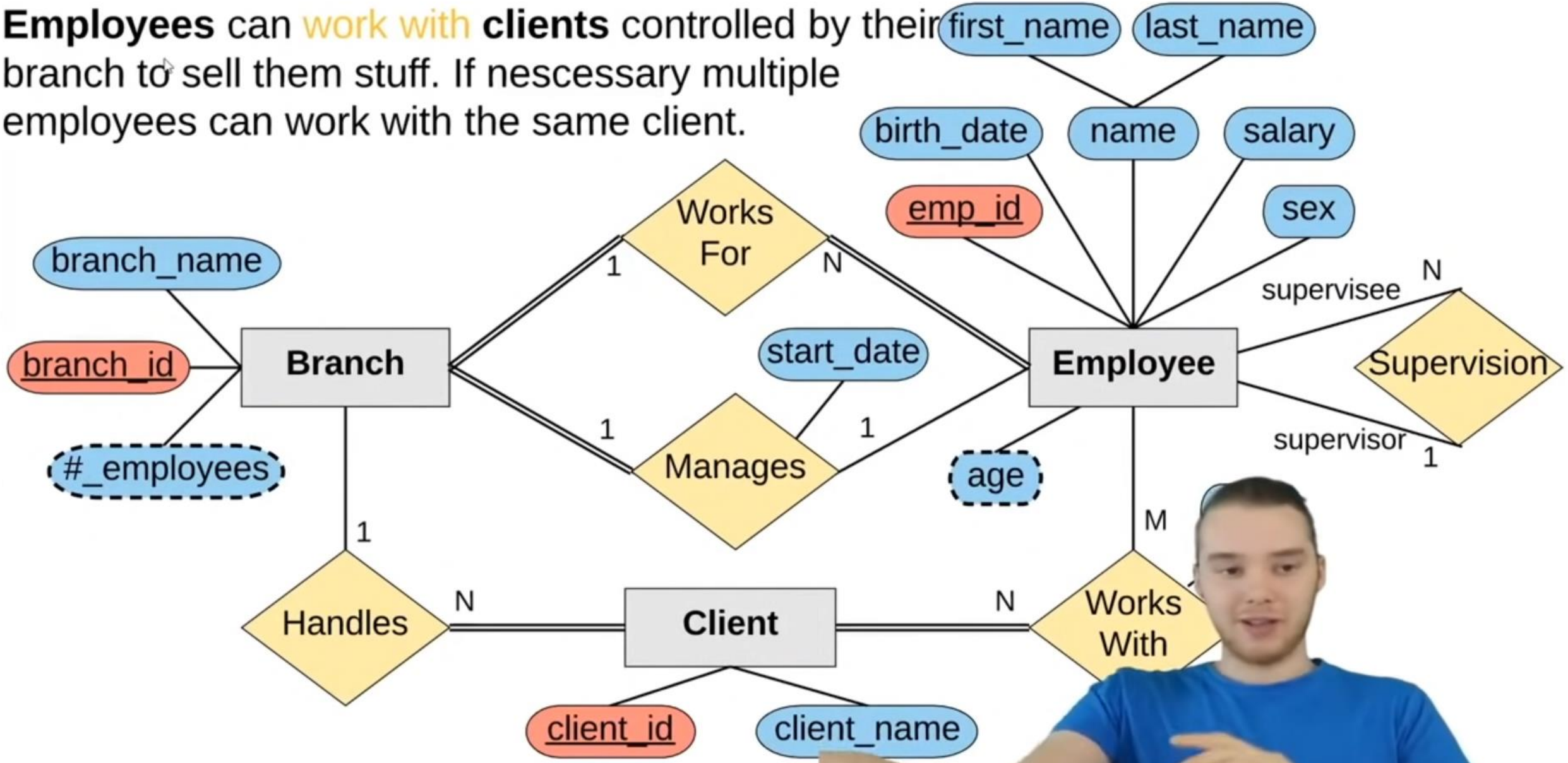
Employees can work with **clients** controlled by their branch to sell them stuff. If nescessary multiple employees can work with the same client.



We'll want to keep track of how many dollars w
each employee sells to each client they work with

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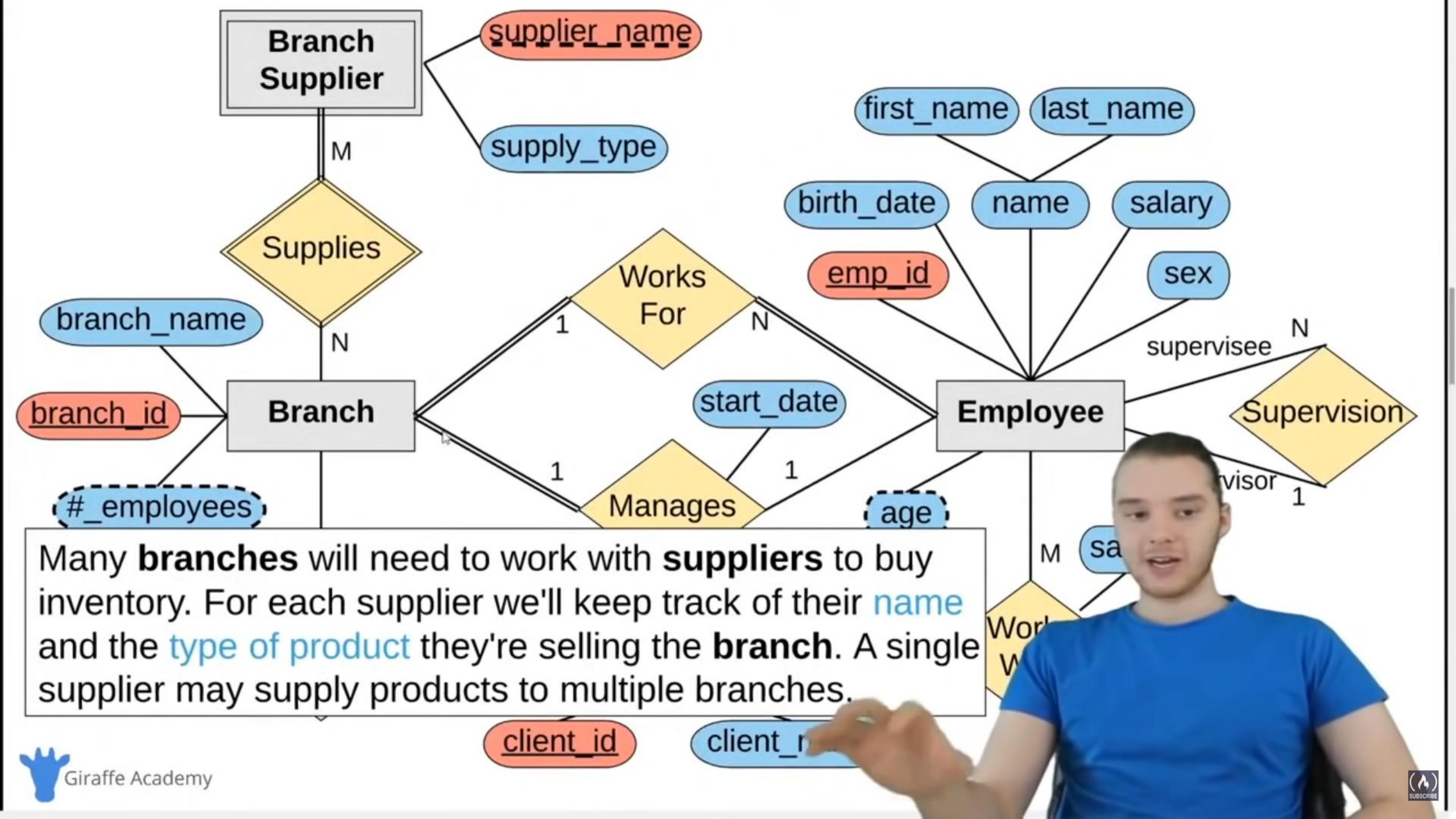
Branch Supplier
supplier_name
supply_type
M
Supplies
N
branch_name
branch_id
Branch
#_employees
Works For
1
N
start_date
1
1
Manages
first_name
last_name
birth_date
name
salary
emp_id
sex
supervisee
N
Employee
Supervision
1
age
M
client_id
Many **branches** will need to work with **suppliers** to buy inventory. For each supplier we'll keep track of their name and the type of product they're selling the **branch**. A single supplier may supply products to multiple branches.
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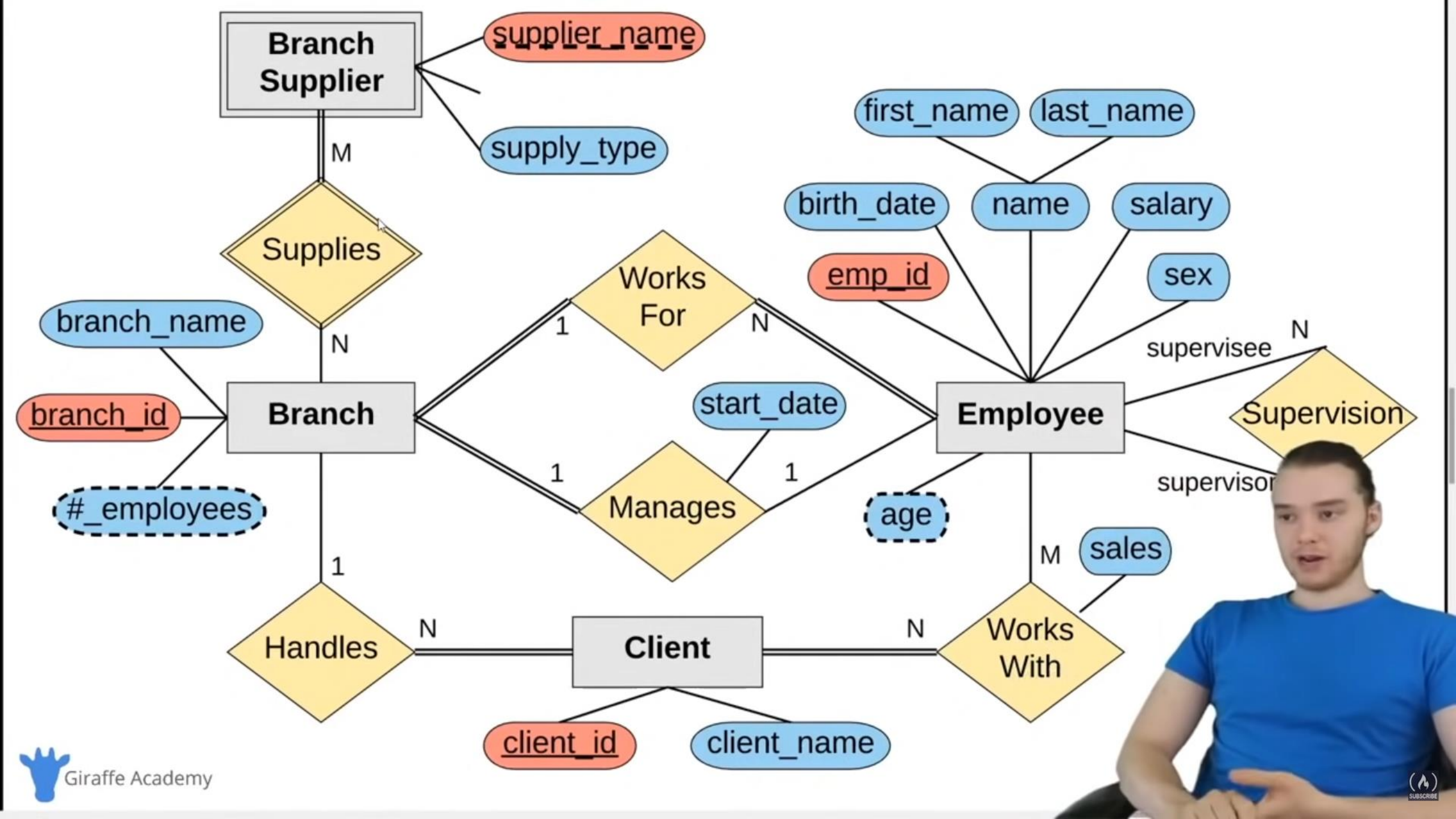
Branch Supplier
supplier_name
supply_type
M
Supplies
N
branch_name
branch_id
Branch
#_employees
1
Handles
N
Client
client_id
client_name
Works For
1
N
start_date
Manages
1
1
first_name
last_name
birth_date
name
salary
emp_id
sex
supervisee
N
Employee
Supervision
supervisor
age
M
sales
Works With
N
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