Employee

emp_id	first_name	last_name	birth_date	sex	salary

Branch

branch_id	branch_name

Client

client_id	client_name

Employee

emp_id	first_name	last_name	birth_date	sex	salary

Branch

branch_id	branch_name

Client

client_id	client_name

Branch Supplier

branch_id	supplier_name	supply_type

Employee

emp_id	first_name	last_name	birth_date	sex	salary

Branch

branch_id	branch_name	mgr_id	mgr_start_date

Client

client_id	client_name

Branch Supplier

branch_id	supplier_name	supply_type

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Employee

emp_id	first_name	last_name	birth_date	sex	salary	super_id	branch_id

Branch

branch_id	branch_name	mgr_id	mgr_start_date

Client

client_id	client_name	branch_id

Branch Supplier

branch_id	supplier_name	supply_type

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Employee

emp_id	first_name	last_name	birth_date	sex	salary	super_id	branch_id

Branch

branch_id	branch_name	mgr_id	mgr_start_date

Client

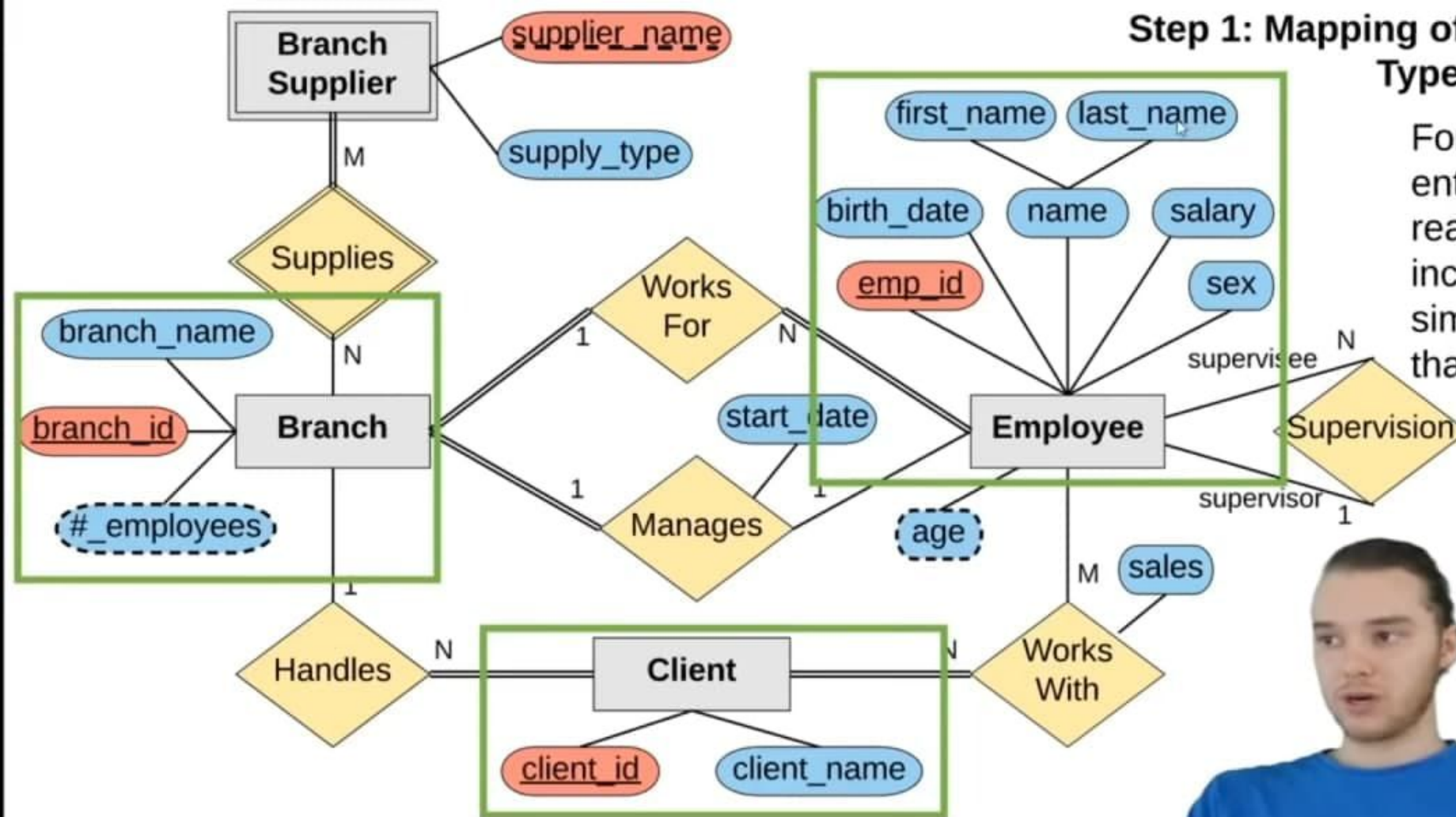| client_id	client_name	branch_id

Branch Supplier

branch_id	supplier_name	supply_type

Works On

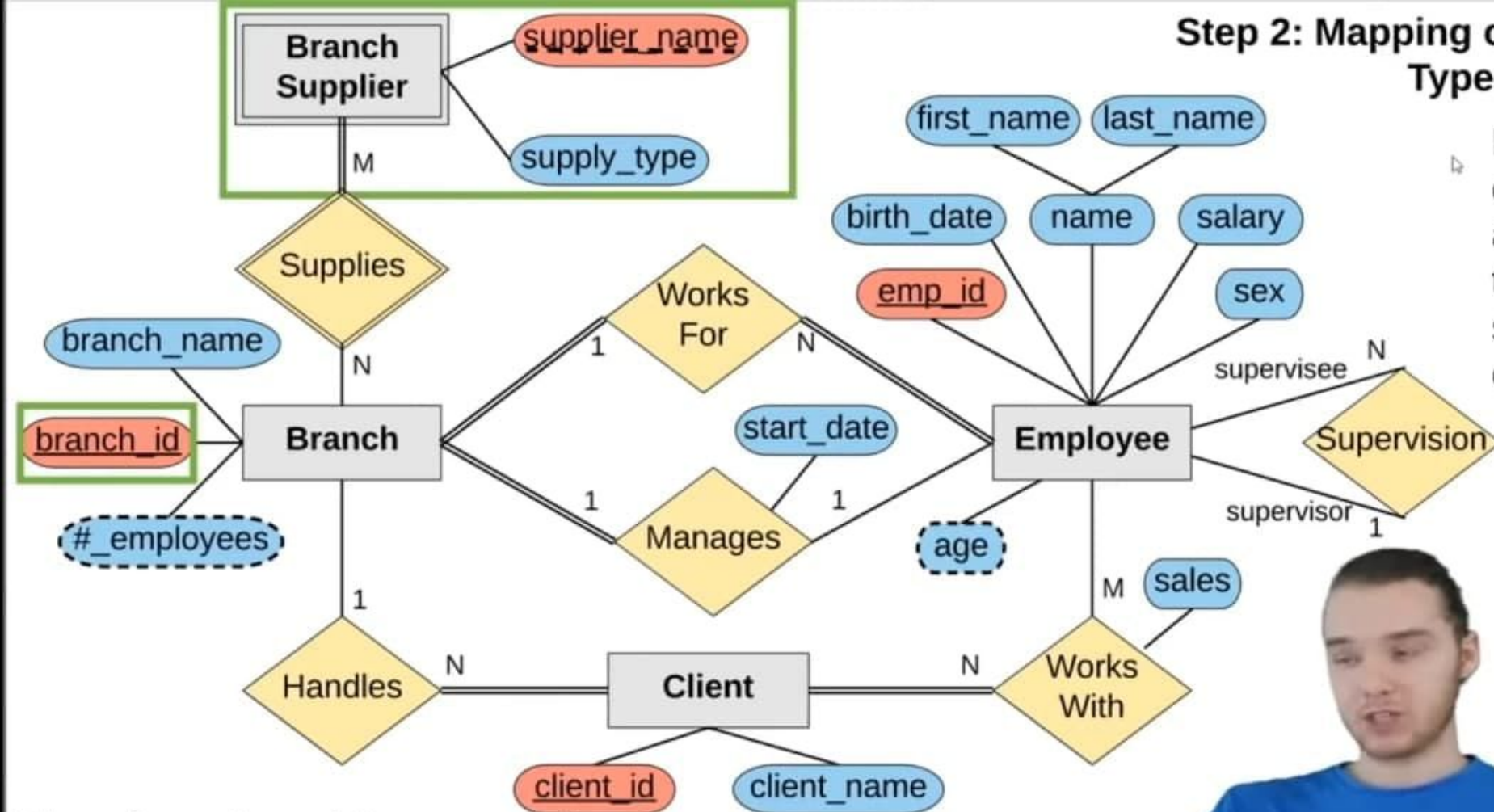| emp_id	client_id	total_sales

Step 1: Mapping of Regular Entity Types

For each regular entity type create a realtion (table) that includes all the simple attributes of that entity

Step 2: Mapping of Weak Entity Types

For each weak entity type create a relation (table) that includes all simple attributes of the weak entity.
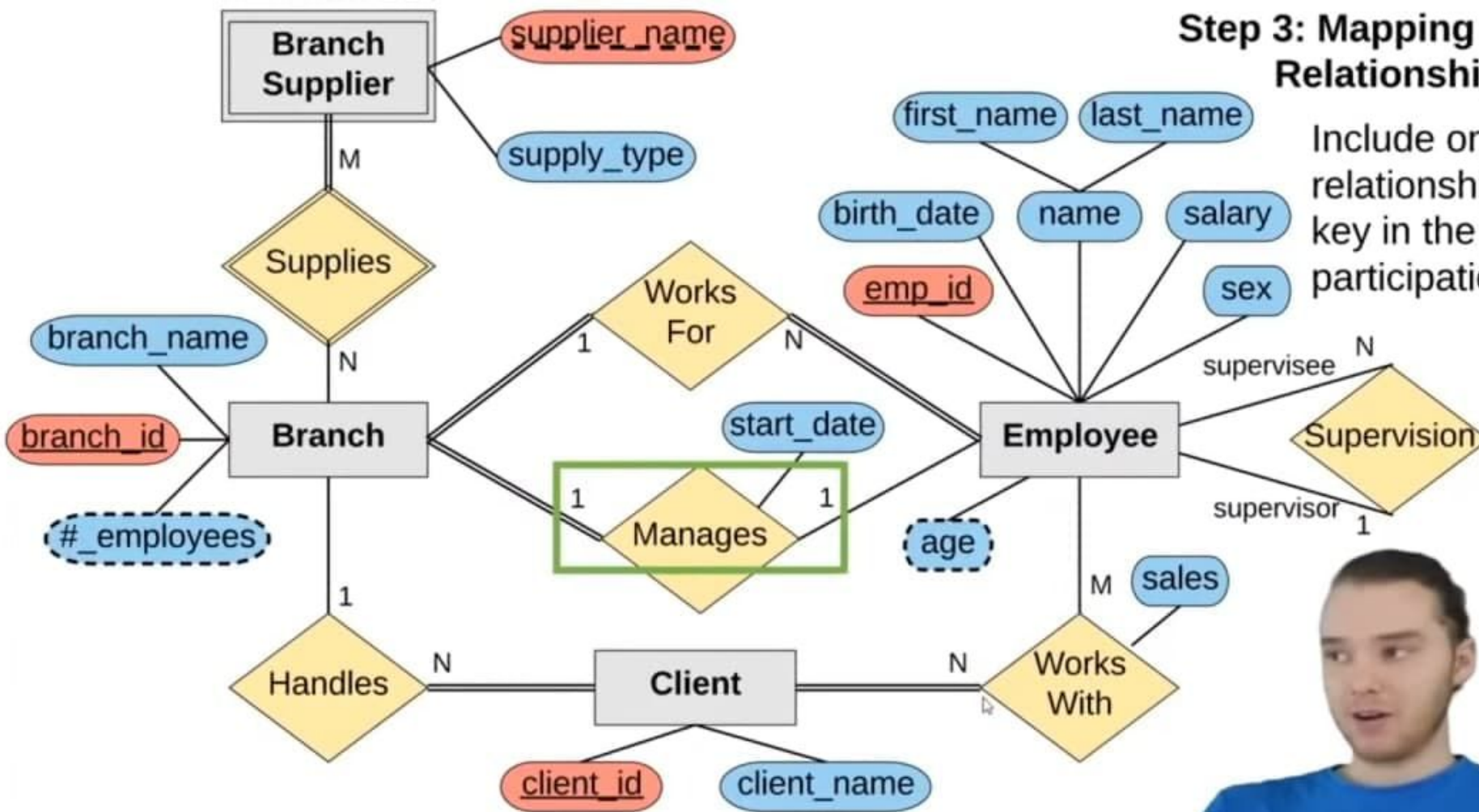
The primary key of the new relation should be the partial key of the weak entity plus the primary key of its owner
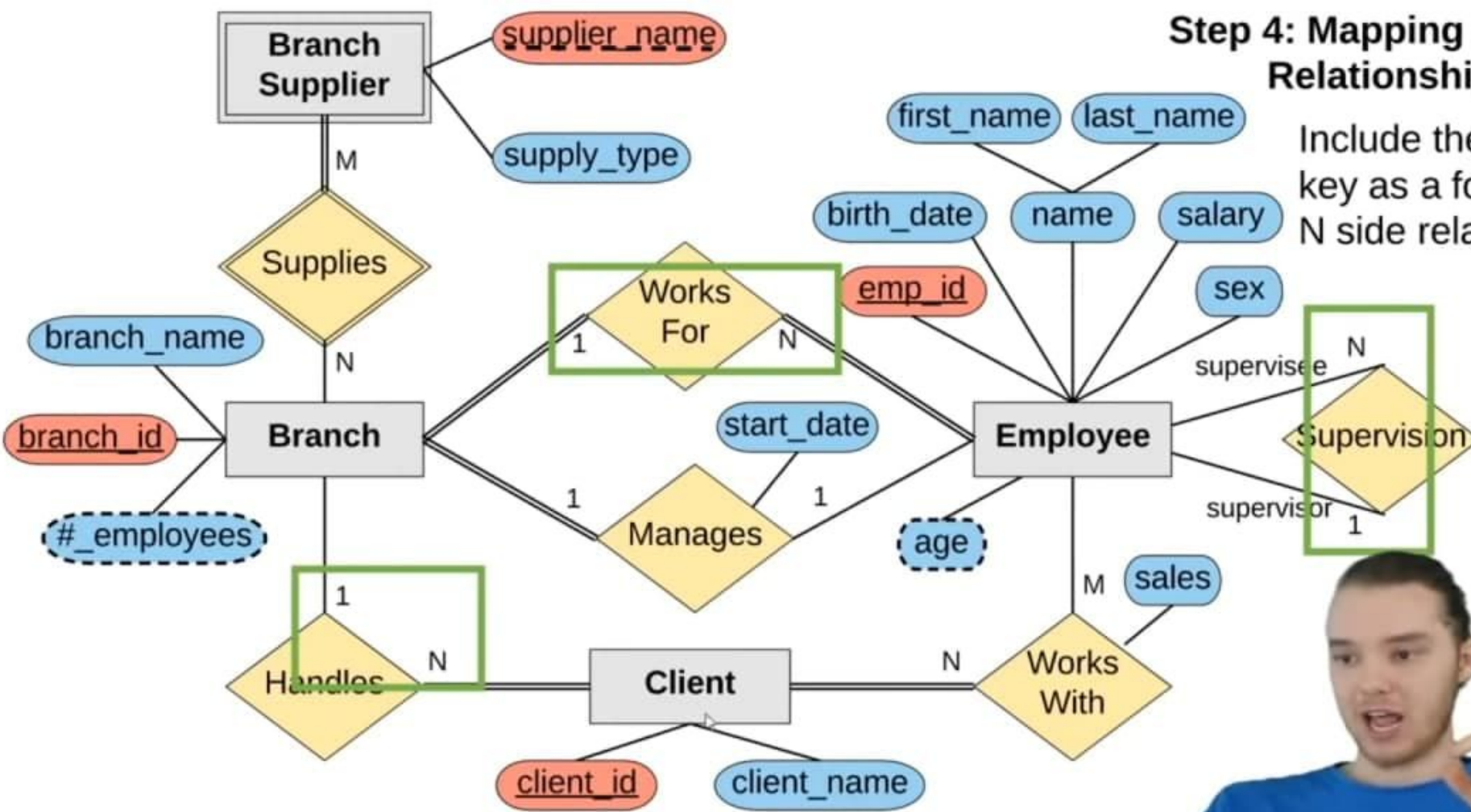
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Step 3: Mapping of Binary 1:1 Relationship Types

Include one side of the relationship as a foreign key in the other Favor total participation

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Step 4: Mapping of Binary 1:N Relationship Types

Include the 1 side's primary key as a foreign key on the N side relation (table)

Step 5: Mapping of Binary M:N Relationship Types

Create a new relation (table) who's primary key is a combination of both entites' primary key's. Also include any relationship attribtes