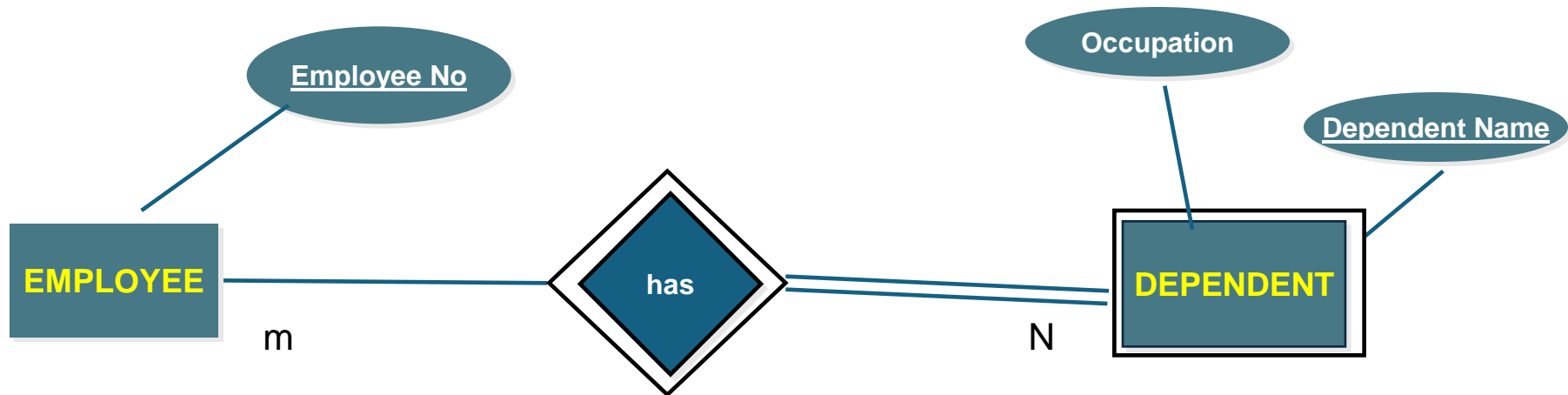


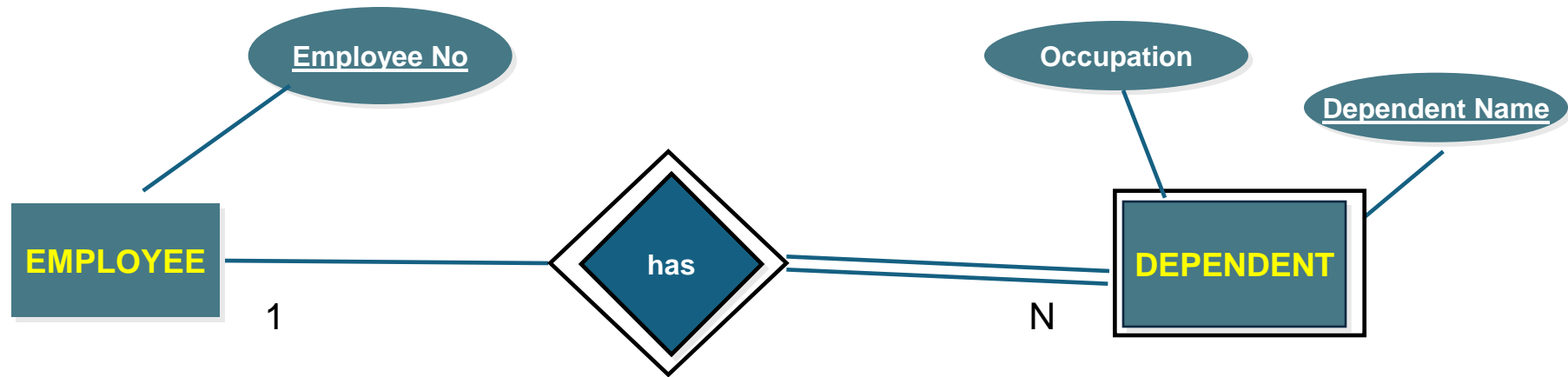
Weak entity

- Definition
 - Existence depends on the existence of one or more other entities.
 - Primary key partially or totally derived from the '**owner**' entity.
- Example
 - EMPLOYEE is the 'owner' entity, and DEPENDENT is the weak entity.



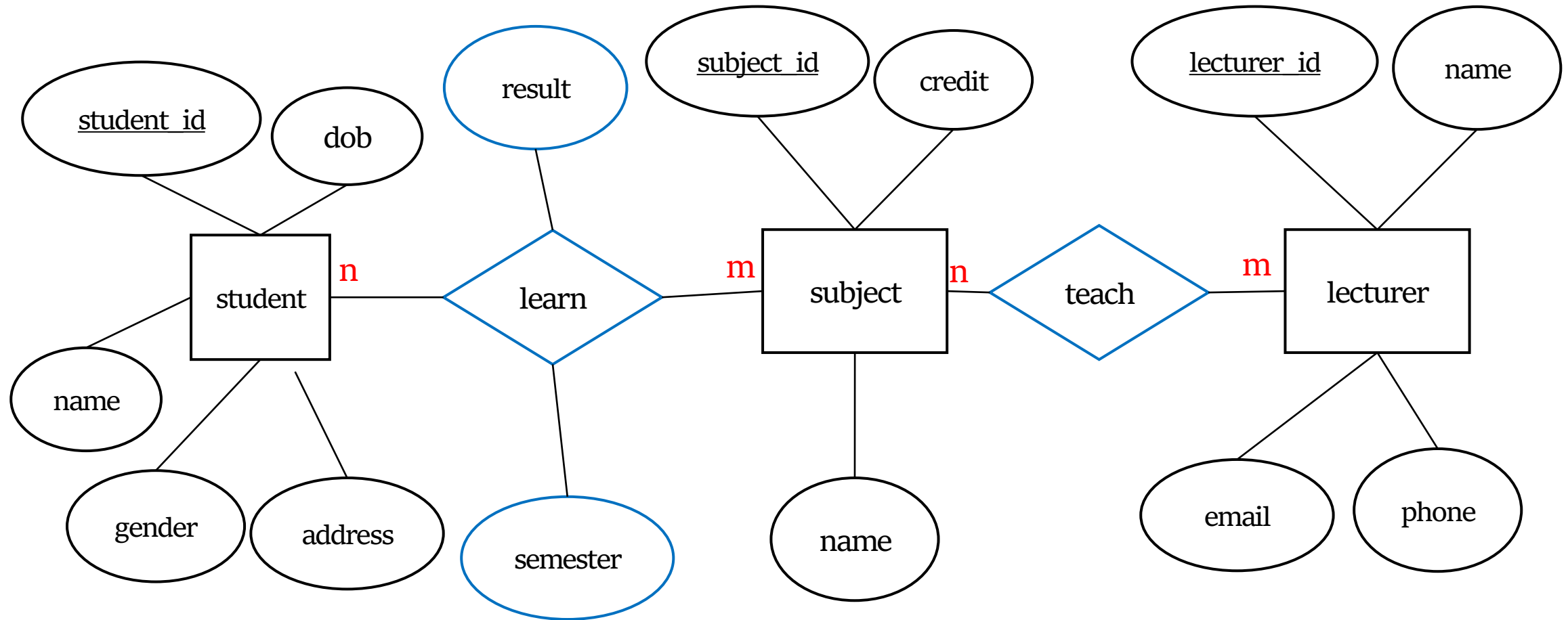
Transform weak entity in ER model into relational model

- For each weak entity in the ER model, create a relation which includes all the simple attributes. The primary key of the relation is the combination of the primary key/s of the 'owner' and the the key of the weak entity itself.



DEPENDENT(EmployeeNo, Dependent Name, Occupation)

Example of ER schema



Different way to represent relationship type

- **0..n**: Can be associated with zero or more entities.
- **min..max**: Can be associated with at least **min** and at most **max** entities.

