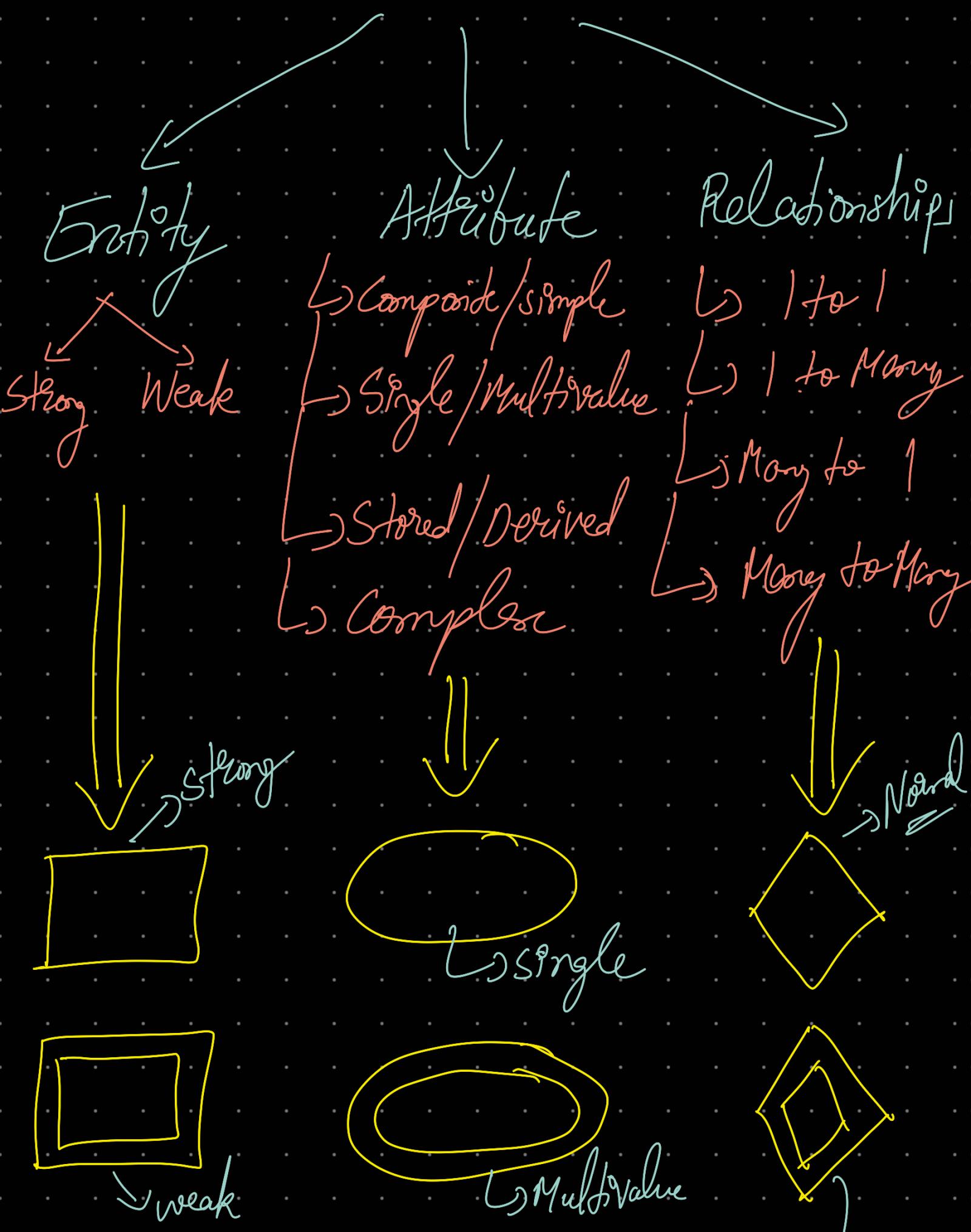


E-R Model



In case of
Strong and
weak Entity

Entity Representation

* Strong Entity → Have primary Key

* Weak Entity → No primary Key

Eg → Employee has dependents

Company may store dependent information

Dependent can't exist without employee

Relationships

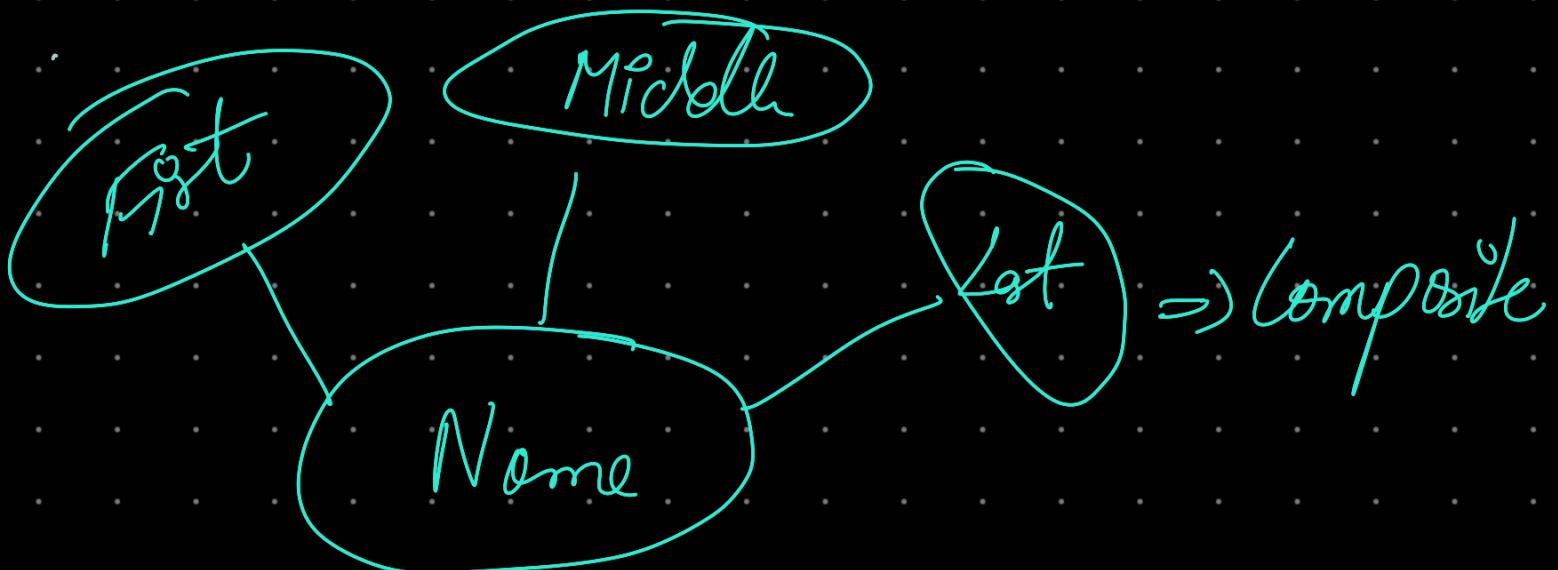


Attributes Representation

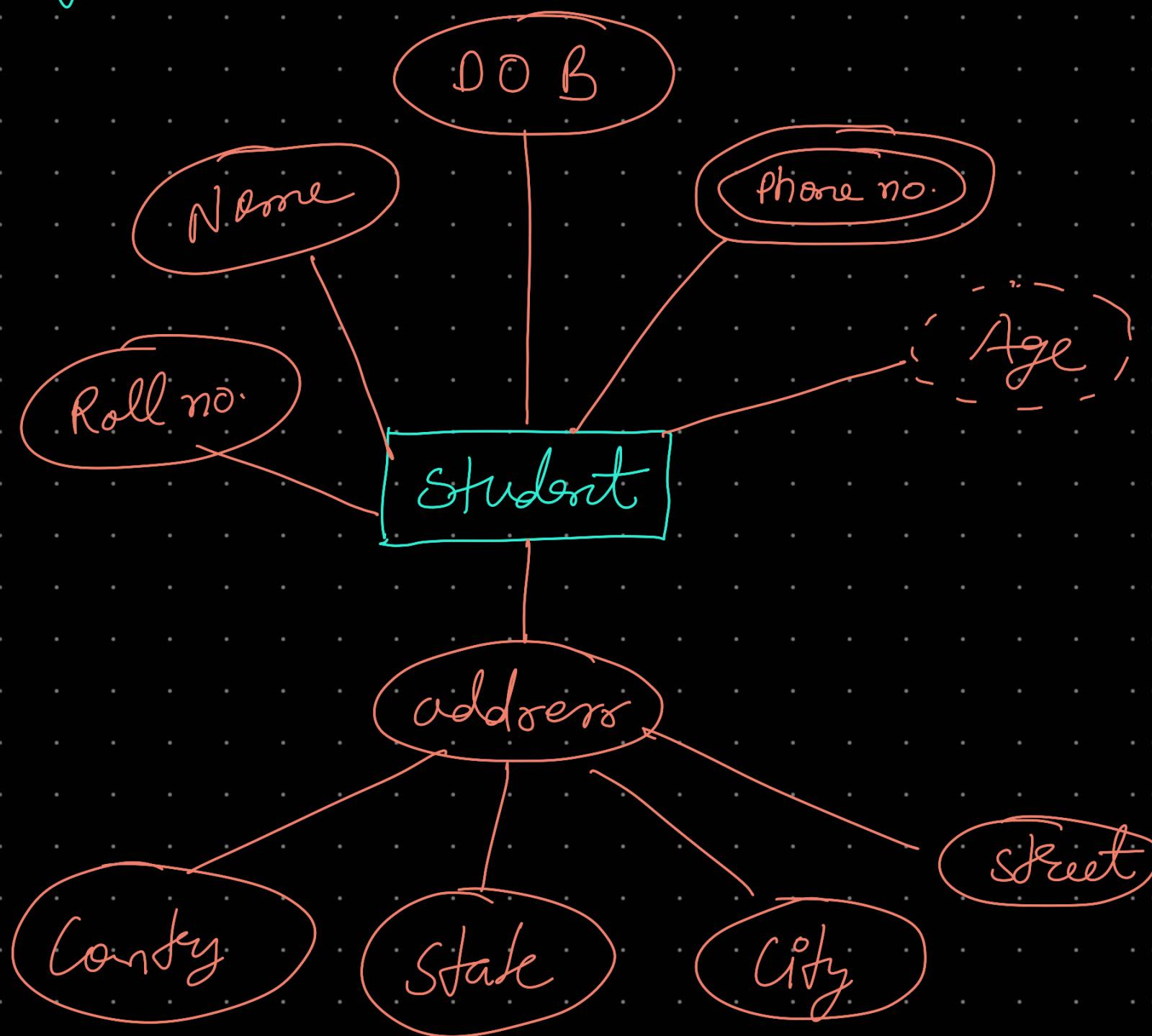
ID → Key

Mobile → Multivalue

Age } ⇒ Derived



E.g. → student Entity Type



Relationship Representation

① 1 to many / many-to-one
Cardinality



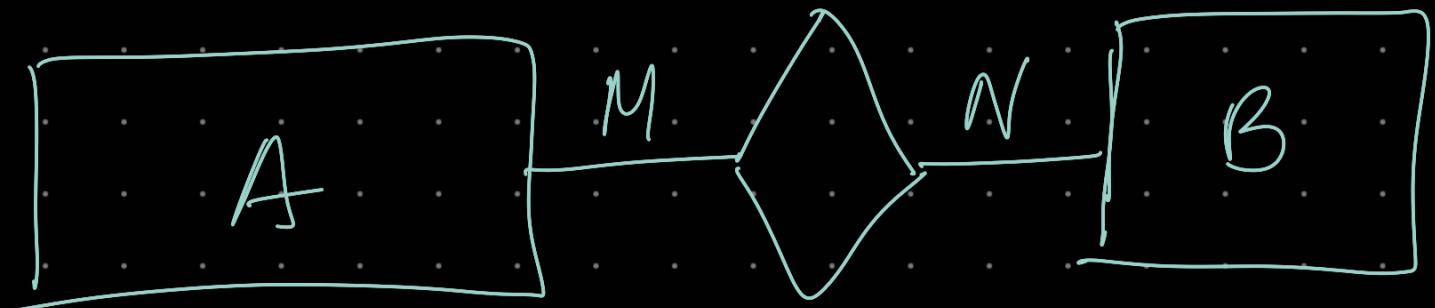
Total participation

partial participation

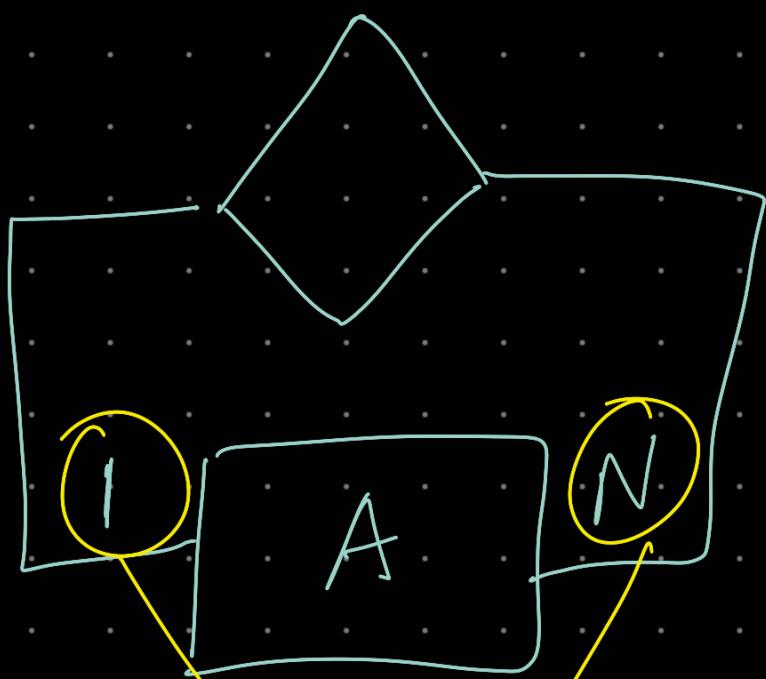
② 1 to 1



③ Many to Many



④ Recursive



This cardinality
depends on requirement