

DATABASE MANAGEMENT SYSTEM

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MAPPING CARDINALITIES IN DBMS

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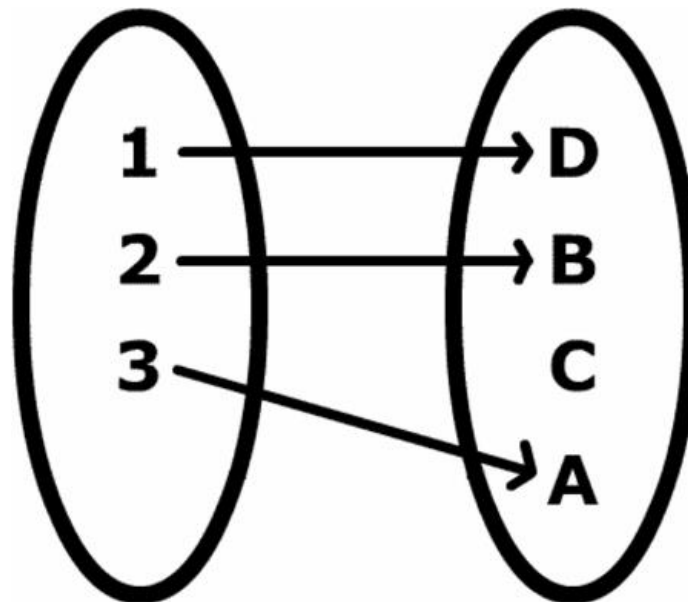
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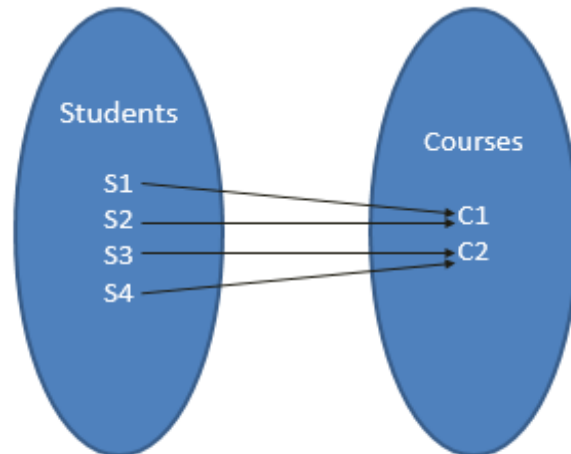
MAPPING CARDINALITIES

- **Cardinality** defines the number of entities in one entity set, which can be associated with the number of entities of other set via relationship set.
- **One-to-one** – One entity from entity set A can be associated with at most one entity of entity set B and vice versa.

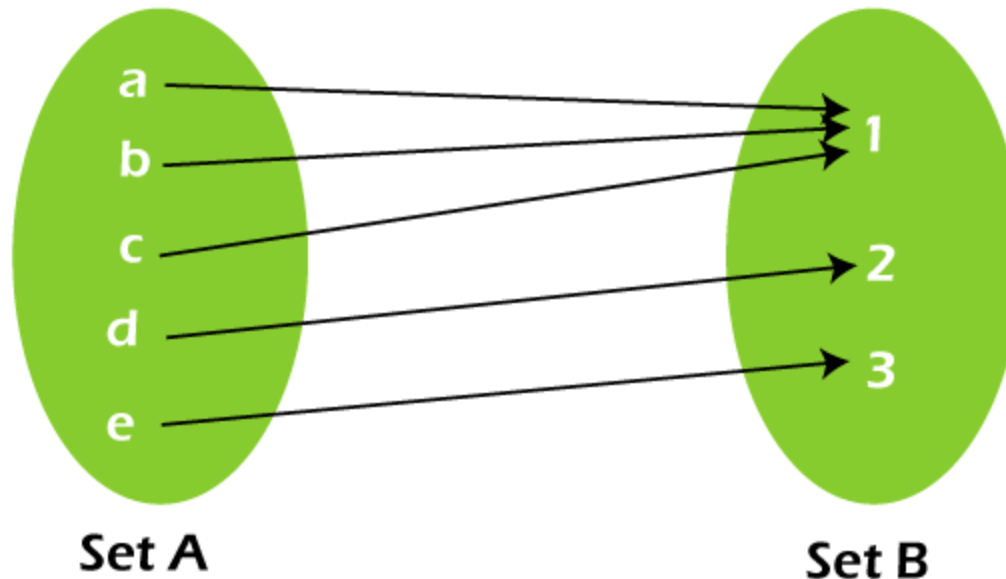


One-to-many – One entity from entity set A can be associated with more than one entities of entity set B however an entity from entity set B, can be associated with at most one entity.

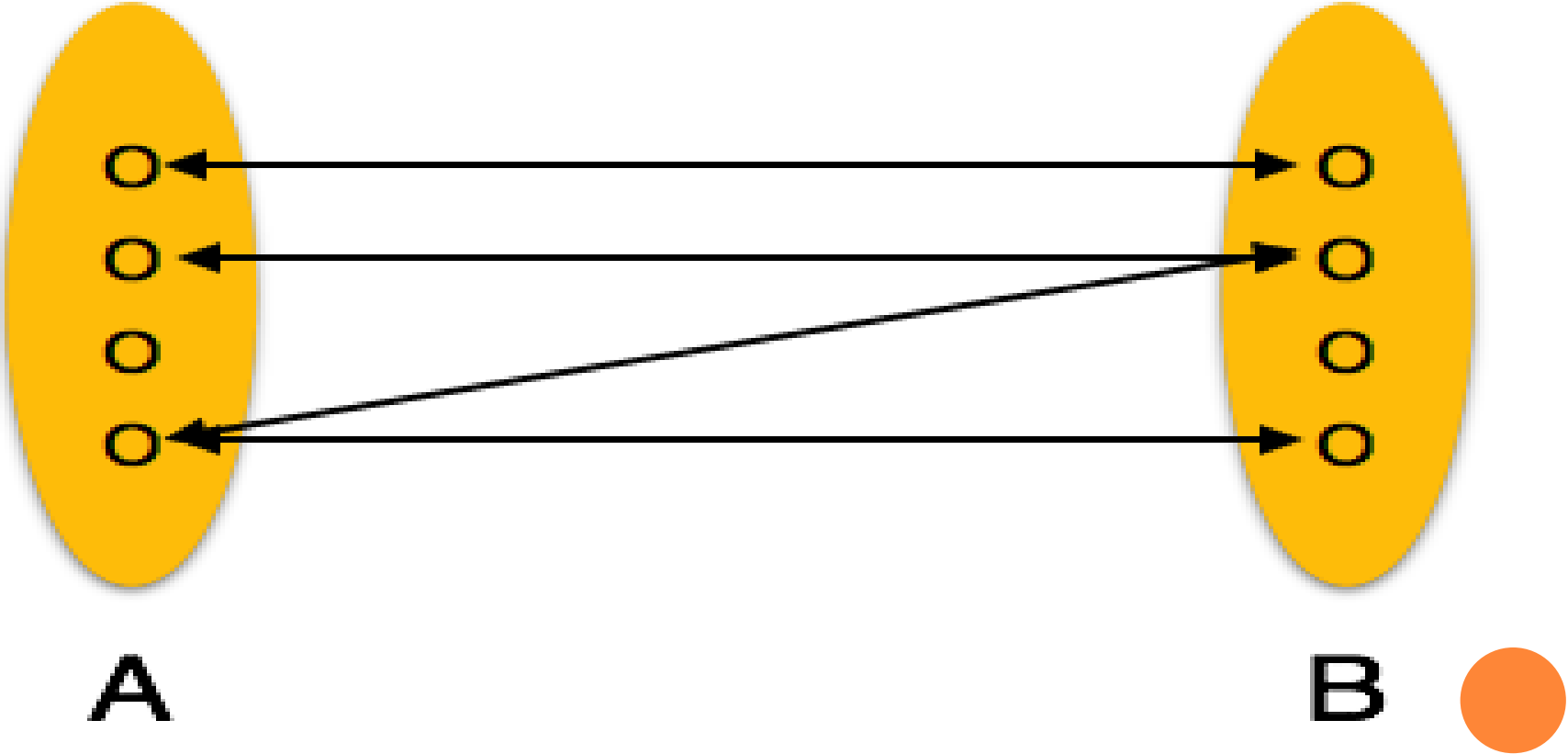
One To Many Relationship



Many-to-one – More than one entities from entity set A can be associated with at most one entity of entity set B, however an entity from entity set B can be associated with more than one entity from entity set A.



Many-to-many – One entity from A can be associated with more than one entity from B and vice versa.



REFERENCES

- ELMASRI, R., & NAVATHE, S. (2007). Fundamentals of database systems. Boston, Pearson/Addison Wesley.
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