

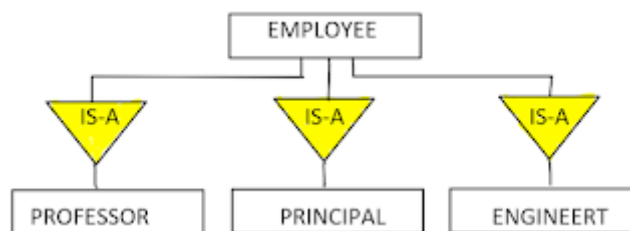
Explain the concepts of Generalization and Aggregation with appropriate examples.

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Ans. **Generalization:**

Entities with common attributes can be merged into a generic or super type entity by generalisation.

For example, the entity EMPLOYEE is a super type of Professor, Conductor, and Engineer.



The “IS-A” relationship between the subtype and the super type can be used to define generalisation.

For example, a Professor **is an** employee of the college.

Here, Professor, Principal and Engineer is subtypes. And, Employee is a supertype.

A super type can be a subtype in another relationship.

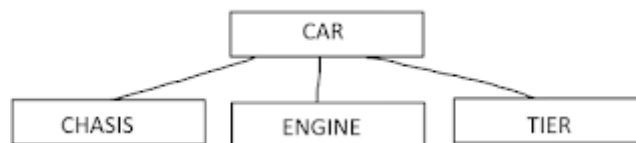
**Aggregation:**

Aggregation describes the formation of higher-level objects from lower level components.

Explain the concepts of Generalization and Aggregation with appropriate examples.

For example, a car is made up of an engine, chasis, tiers and so on.

Aggregation can be defined in terms of an HAS -A-relationship between the subtype & supertype.



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