

01/06/2021

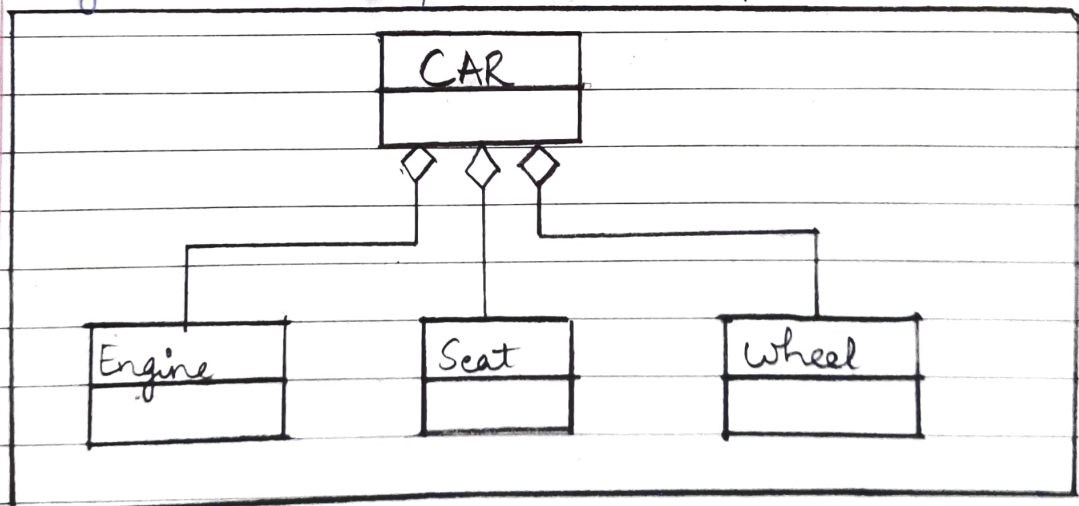
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Part-BQ.2] AGGREGATION:

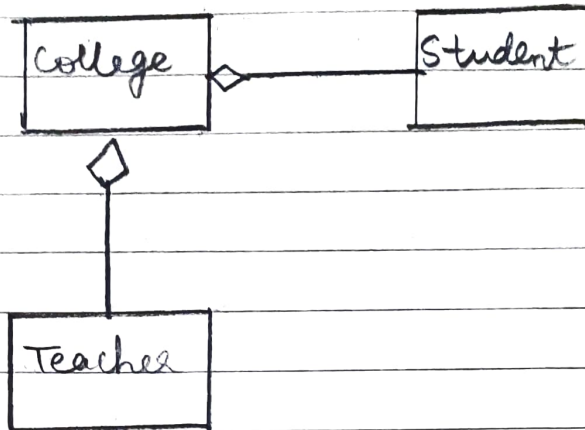
- Aggregation or composition is a relationship among classes by which a class can be made up of any combination of objects of other classes.
- It allows objects to be placed directly within the body of other classes.
- Aggregation is referred as a 'part-of' or 'has-a' relationship with the ability to navigate from the whole to its parts. An aggregate object is an object that is composed of one or more other objects.

→ Objects relationship:

- All objects except the most basic ones composed of & may contain other objects.
- Eg: Spreadsheets are made of cells & cells are objects containing texts, math formulas etc.
- Each object has an identity, one object can refer other objects.

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EXAMPLE:



- It represents a 'has-a' relationship
 - It is unidirectional. A department can have students but vice versa is not possible.
 - Both the entries can survive individually meaning ending one entity will not affect the other.
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