CLASS Diagrams

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We can also name the association.

```
Student  membership  Team
1..*       1..*
```
A class can have a self association.

```java
LinkedListNode
next
previous
```
We can model objects that contain other objects by way of special associations called aggregations and compositions.

An aggregation specifies a whole-part relationship between an aggregate (a whole) and a constituent part, where the part can exist independently from the aggregate. Aggregations are denoted by a hollow-diamond adornment on the association.
Class Attributes, Operations

- Recall in Java and C++ you may have class attributes and class operations
  - keyword static used
  - One attribute for all members of class
  - An operation not encapsulated in each object, but “defined in” that class’ scope

- In UML class diagrams, list these in the class box’s compartments, but underline them