CLASS Diagrams

imran khattak

BSCS

FUUAST ISLAMABAD
We can also name the association.

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

```cpp
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.
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