29/08/2023 Relationship between objects

The collaboration of one object with another brings us what call the high level features or abstraction.

Object in itself is uninteresting.

The two main ways of implementing or understanding object hierarchies are:

- Link, also called seniority

- Aggregation

Link(Seniority)

- Peer to peer relationship is known as seniority

- Not concerned with super and sub relationships as in inheritance.

- Link is an instance of association between two objects, established due to function call from one to another.

- Roles of objects in link relationship:

    - Actor/client : Object can operate on another objects, never reverse

    - Server/Supplier : operated on by other objects, never reverse

    - Agent : Both; act as client as well as server.

- ***Visibility : A and B have link. A can send message to B, if B is visible to A.***

- ***Synchronization : If one object passes message to another object through a link, the we say that two objects are in sync with each other.***