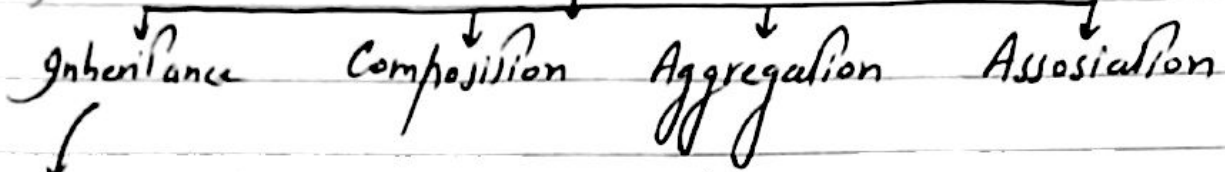
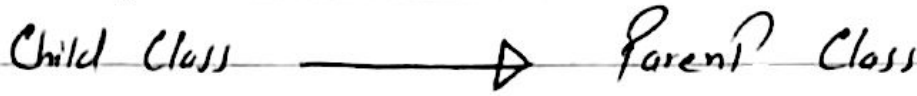


(Lecture 17)

Relationships



→ Inheritance "is a" relationship.
 (→) sign is used for inheritance.



Syntax for Inheritance

Class A

```
{
  int A, B;
```

};

"UML"
 Unified Model
 of Languages

Class B: Public Class A

```
{
  int x, y;
```

};

→ In this case, class B is child class of class A.

Inheritance:-

It is a relationship in which a class (assumed as child class) inherits the properties of another class (assumed as parent class).

Security Levels:-

- | | |
|---------------|--------------|
| i) Public | Medium Level |
| ii) Protected | Least Level |
| iii) Private | Higher Level |

→ Main Advantage of Inheritance is re-useability.

→ Protected is used to get back the original properties.