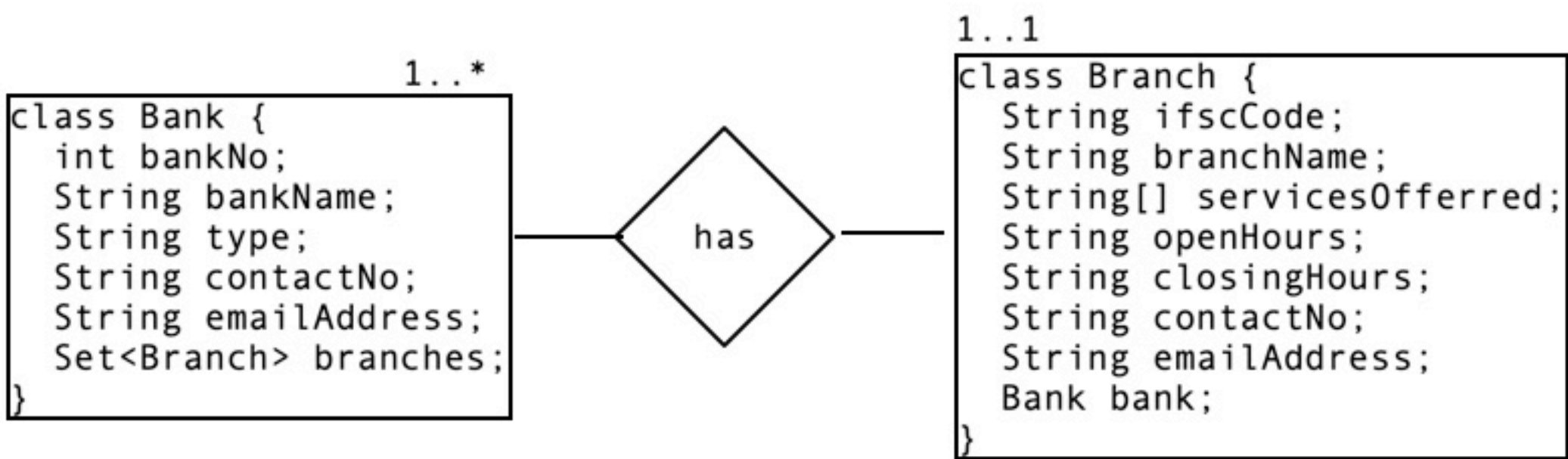


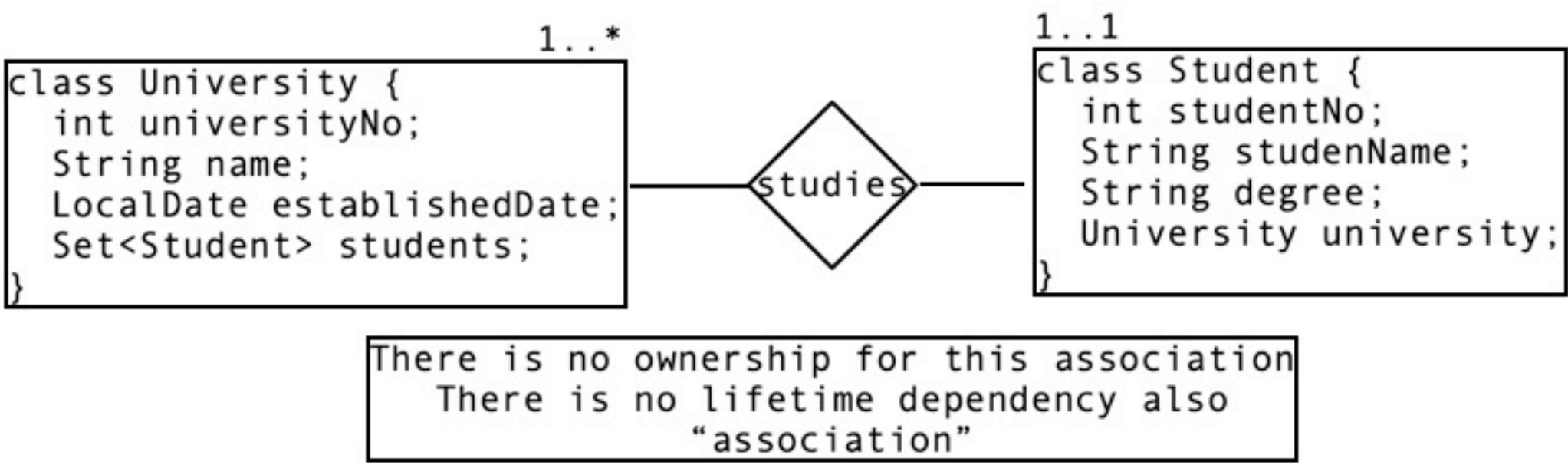
Association  
Association always establishes has-a relationship between the classes. it is used for expressing a thing or an entity is made up of several other things within it.  
Indirectly we are using all or few of the traits or functionalities of others incase of "HAS-A" relationship.

There are 3 characteristics of Association relationship are there  
1. Cardinality  
2. Directionality  
3. Ownership

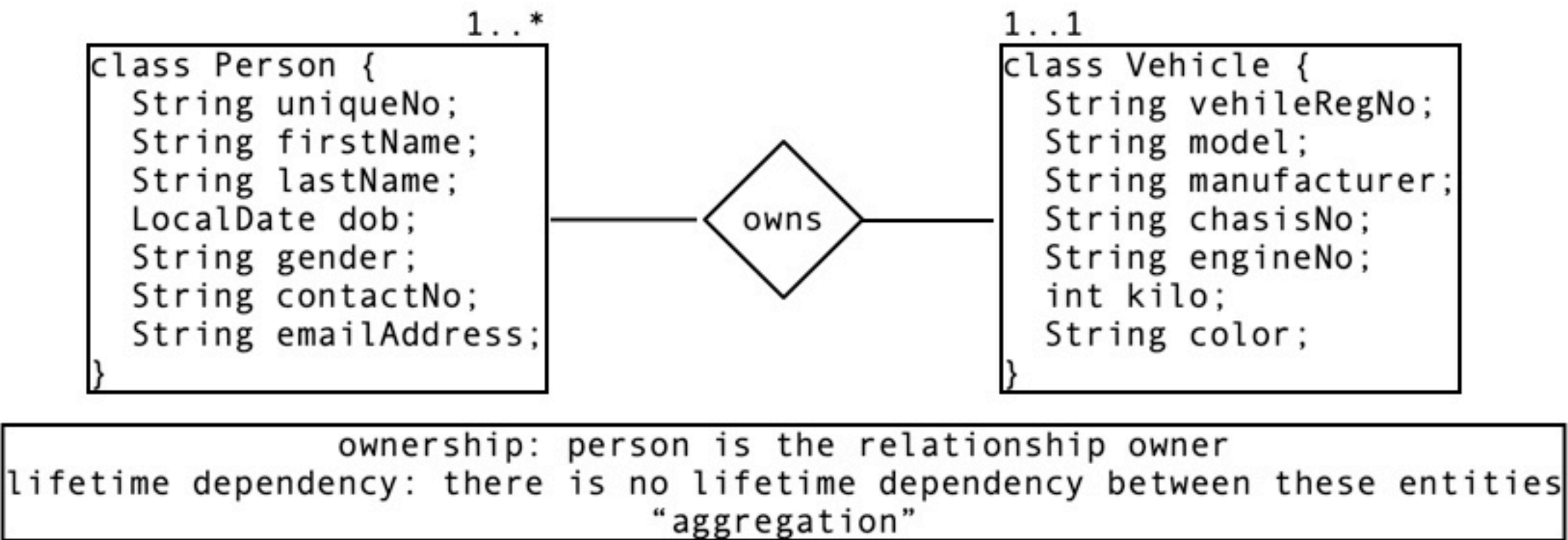


There are 3 forms of association  
1. Association  
2. Aggregation  
3. Composition

1. Association  
Two classes are said to be association relationship with each other, when there is no ownership and lifetime dependency between the classes.



2. Aggregation  
Two classes are said to be in aggregation relationship with each other, when there is ownership of the association, but there is no lifetime dependency between them



3. Composition  
Two classes are said to be composition association relationship with each other, when there is ownership and lifetime dependency exists. since one cannot exists without the other, this is considered as highest-degree of association relationship

