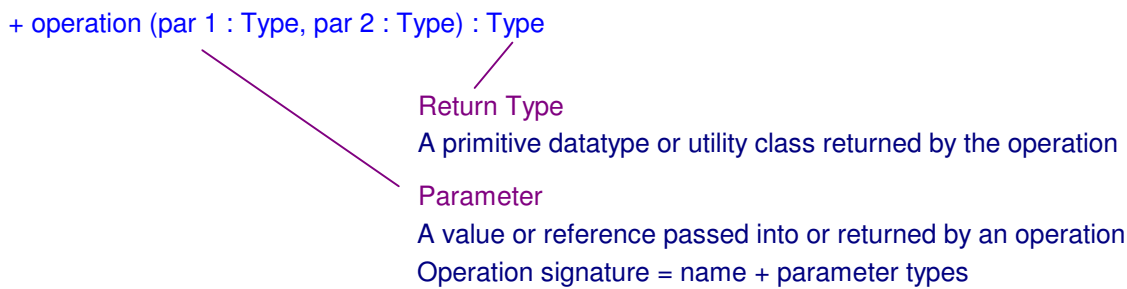
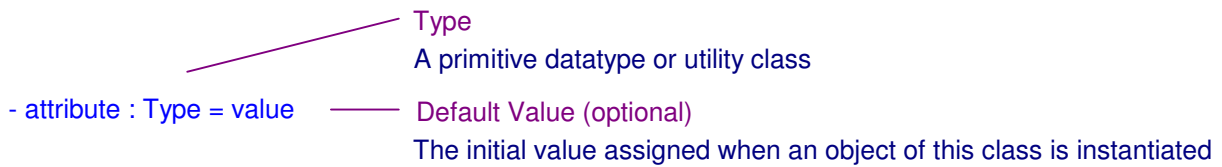
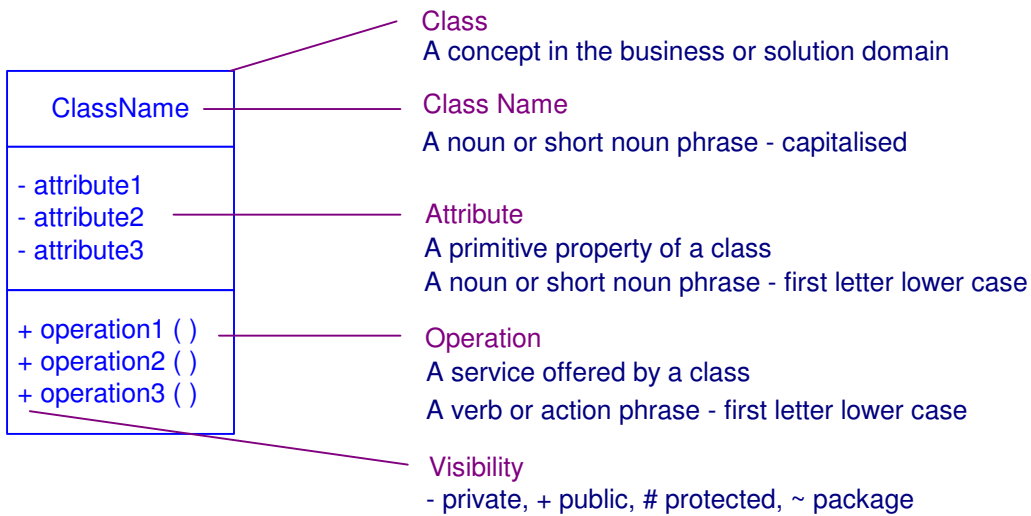


# Summary Notation: Class Diagrams



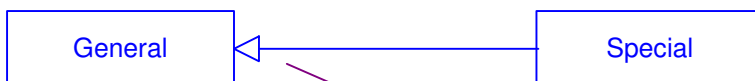
**Association**  
A static relationship between classes - solid line joining classes  
Name explains nature of relationship (solid arrowhead indicates reading direction)  
Open arrow on association line limits navigation to one direction



**Multiplicity**  
The number of instances at each end of an association  
A range of inclusive values, \* indicates undefined



**Aggregation / Composition**  
A whole part relationship - 'is a part of'  
Aggregation (open diamond) for shared or independant parts  
Composition (solid diamond) for integral parts that share lifetime of whole



**Inheritance**  
A generalisation / specialisation relationship to define classes - 'is a kind of'