

## Abstract Classes in Smalltalk

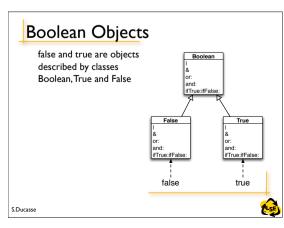
- Depending of the situation, override new to produce an error.
- No construct: Abstract methods send the message self subclassResponsibility
- Tools check this situation and exploit it.

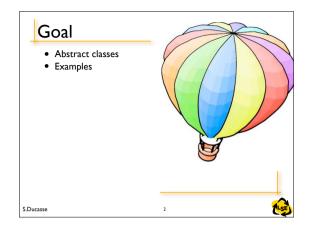
S.Ducasse

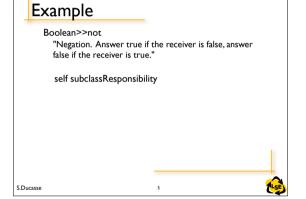
 Abstract classes are not syntactically different from instantiable classes, but a common convention is to use class comments: So look at the class comment and write in the comment which methods are abstract and should be specialized.

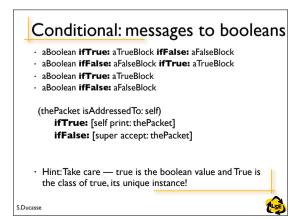
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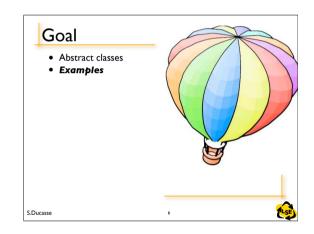


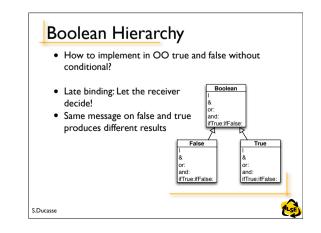


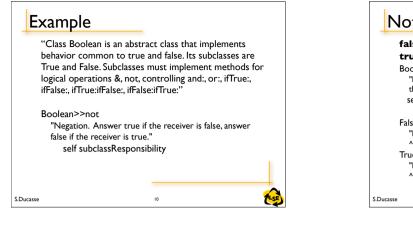
## Abstract Classes Should not be instantiated (abstract in Java)

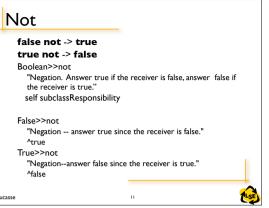
- But can define complete methods.
- Defines a protocol common to a hierarchy of classes that is independent from the representation choices.
- A class is considered as abstract as soon as one of the methods to which it should respond to is not implemented (can be a inherited one).

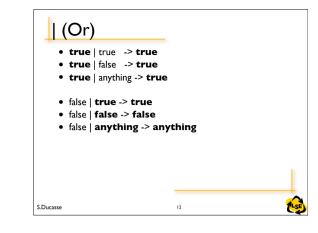
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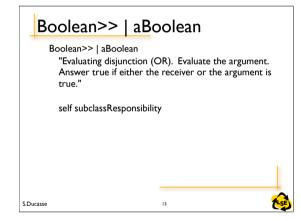


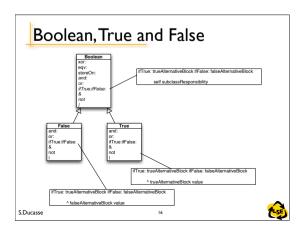


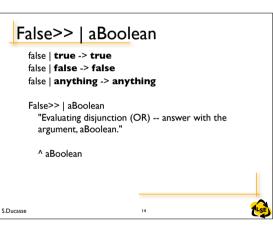


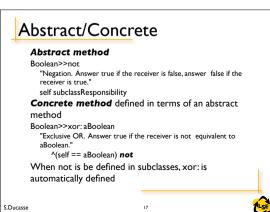












True>>	aBoolean	
<b>true</b>   true <b>true</b>   false <b>true</b>   anyth	-> true	
True>>   aBoolean "Evaluating disjunction (OR) answer true since the receiver is true."		
^ self		
S.Ducasse	IS LSE	

