

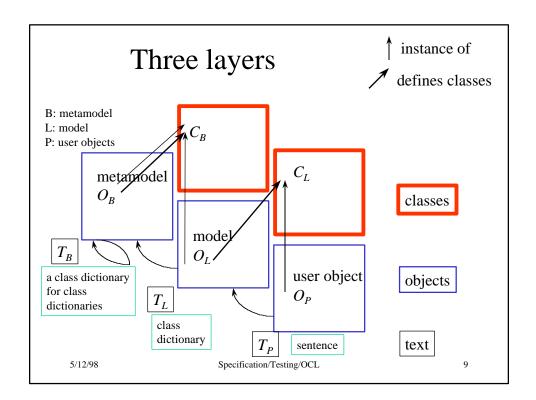
5/1298 Specification/Testing/OCL 7 Four levels • User Objects in running system – check run-time constraints • Model of System under design – specify run-time constraints • Meta-model – specify constraints on use of constructs in model • Meta-metamodel

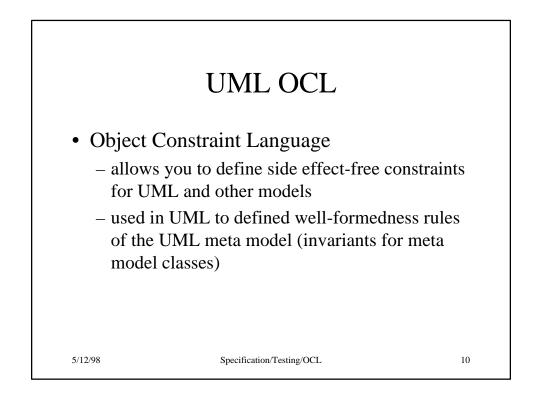
- data interchange between modeling tools

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Specification/Testing/OCL

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Why OCL

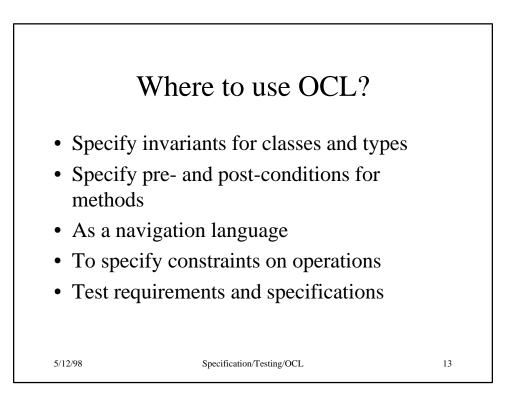
- It is a formal mathematical language
- Tend to be hard to use by average modelers
- OCL is intended for average modelers
- Developed as business modeling language within IBM insurance division (has roots in Syntropy method)
- OCL is a pure expression language (side effect free)

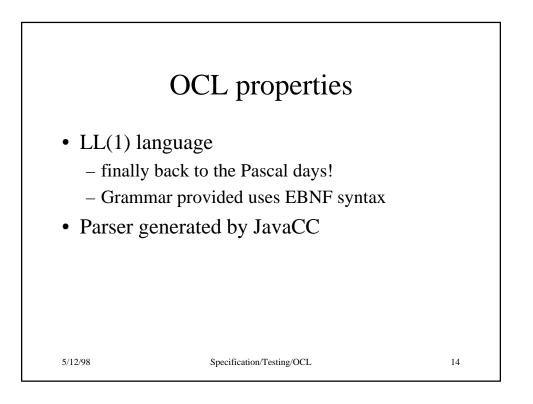
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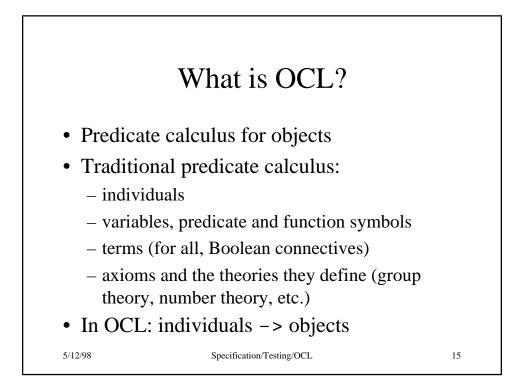
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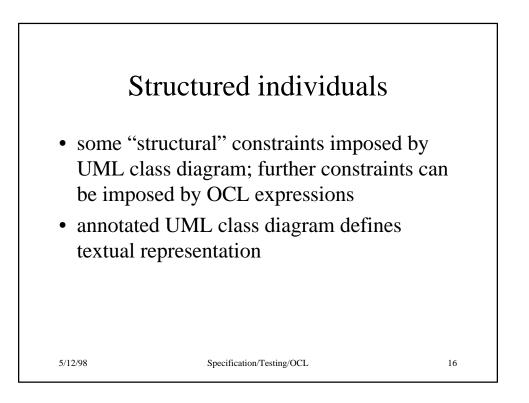
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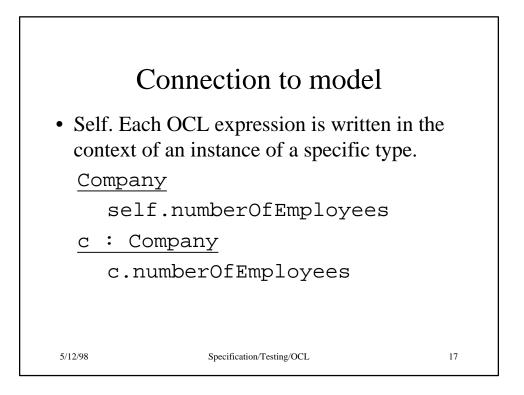


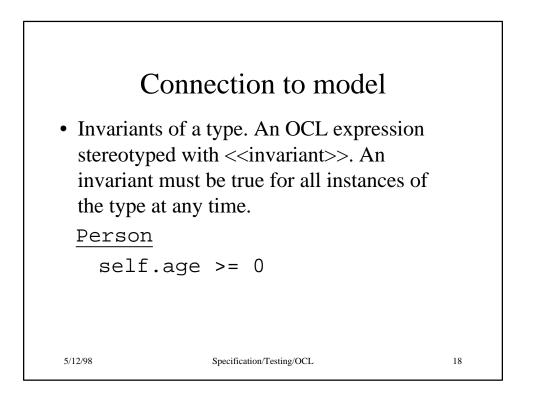


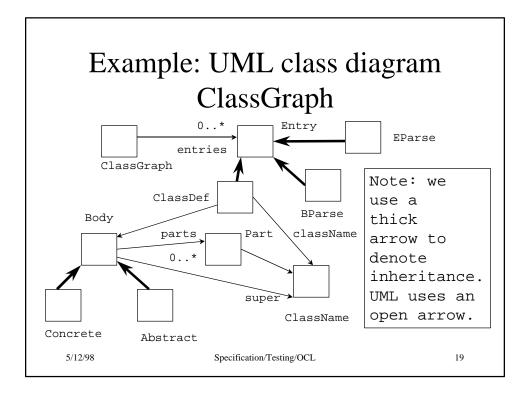


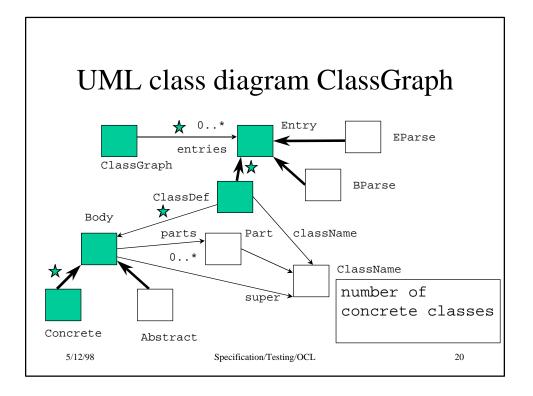


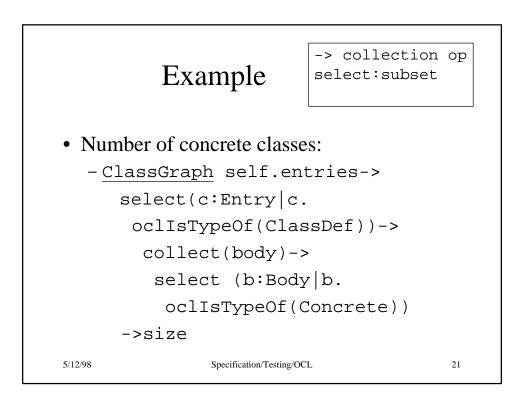


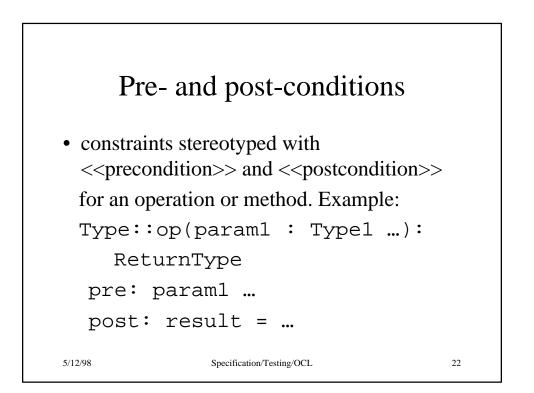


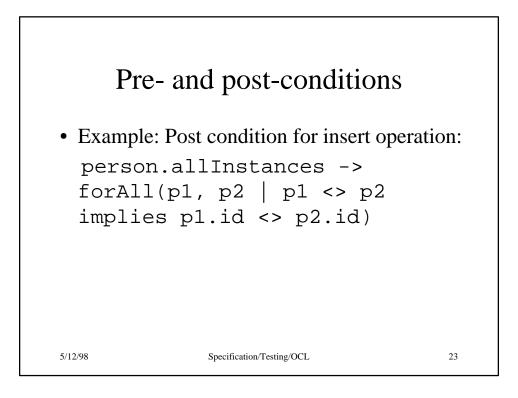


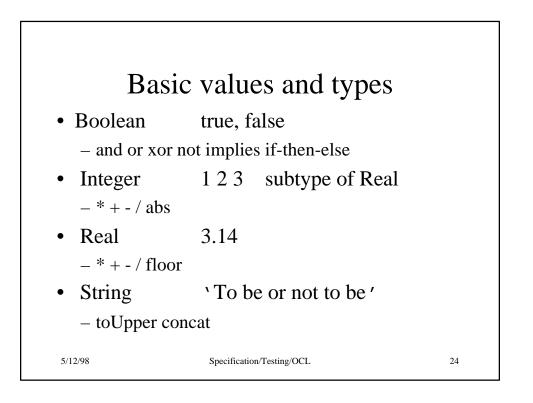


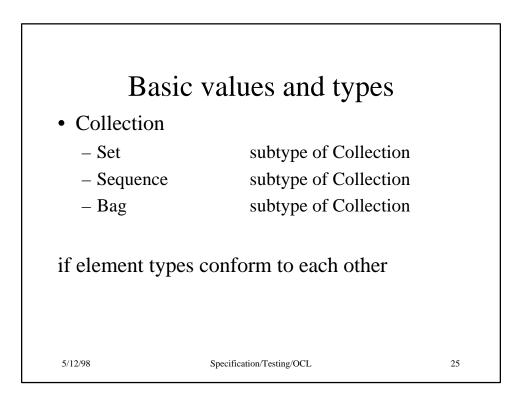


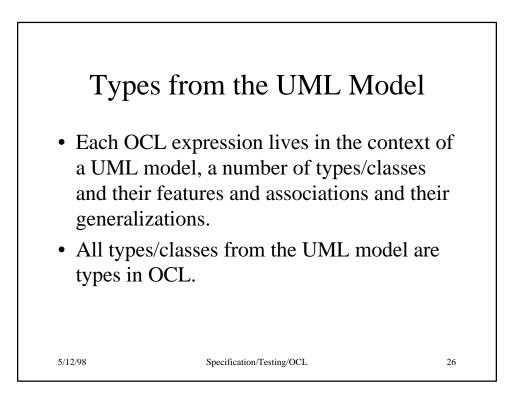


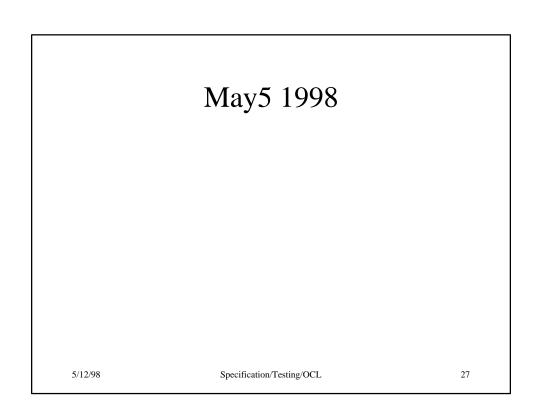


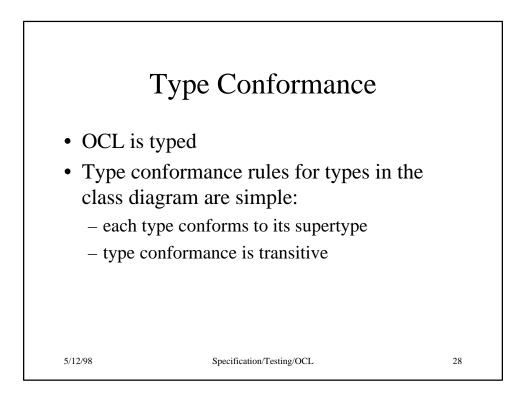


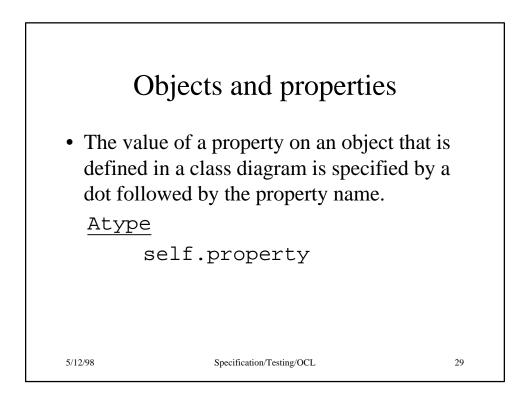


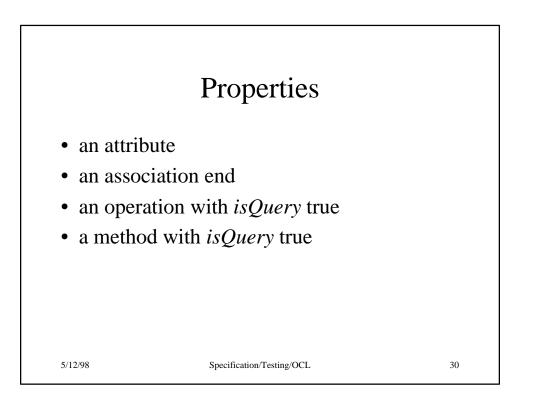


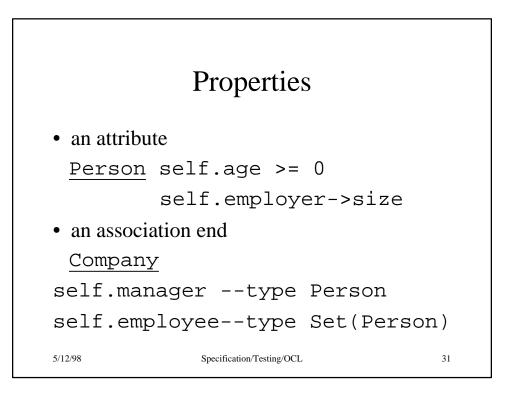


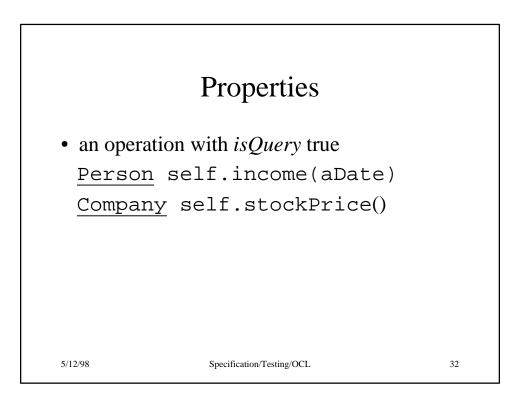


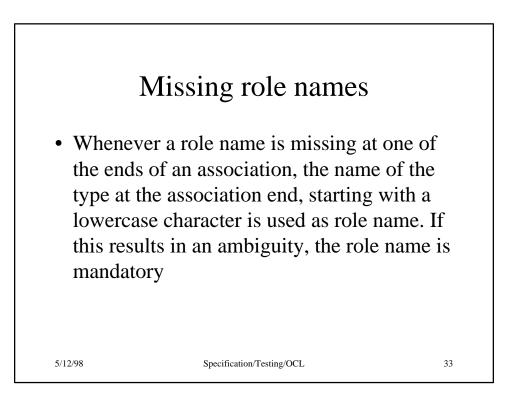


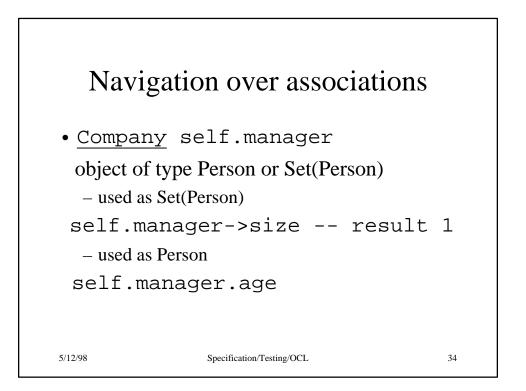


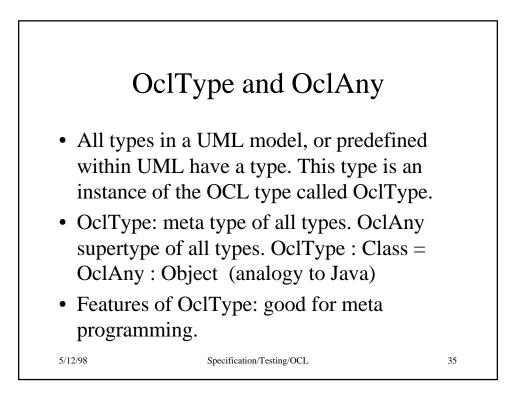


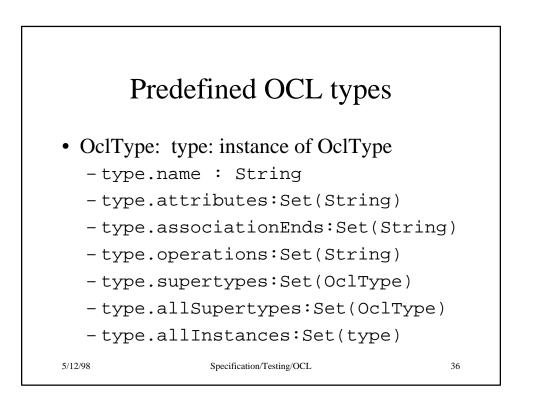


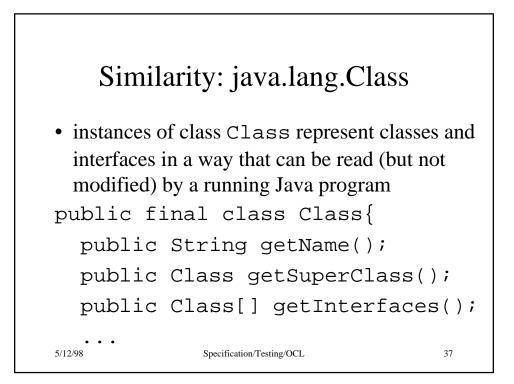


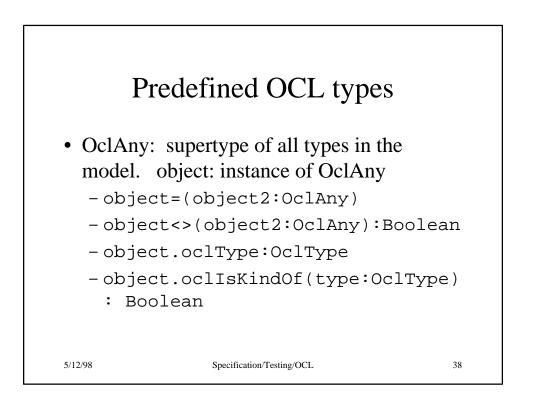


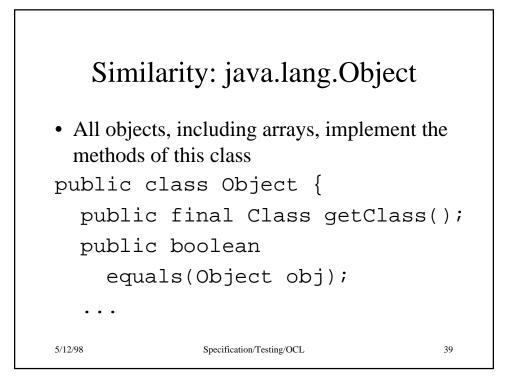


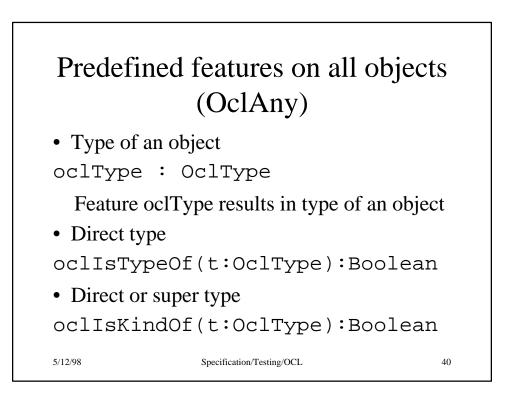












Examples	
• <u>Person</u>	
self.oclType	
results in Person	
• <u>Person</u>	
self.oclIsTypeOf(Person)true	
<pre>self.oclIsTypeOf(Company)false</pre>	:
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