













Object Constraint Language (OCL)

Types of Constraints:

Invariant

- Constraint that applies to ALL instances of class (or type or interface)
- An expression that evaluates to true if the condition is met.
- All Invariants must ALWAYS evaluate to true.

Precondition

- Must be true at the moment the operation is to be executed.

Post Condition

- Evaluate to true at the moment the operation ends

Guard

- Must be true before state transition can occur



Object Constraint Language (OCL)

Context

- Need to specify which item from the model it's a constraint on
- Usually a group of UML diagrams
- For an invariant the constraint applies to all instances of that class or type or interface
- The keyword "self" is used to specify the context of the constraint





















