

1. Define the following terms: superclass of a subclass, superclass/subclass relationship, IS-A relationship, specialization, generalization, category, specific (local) attributes, and specific relationships.

2. Discuss the two main types of constraints on specializations and generalizations.

3. What is the difference between a specialization hierarchy and a specialization lattice?

4. How does a category differ from a regular shared subclass? What is a category used for? Illustrate your answer with examples.

5. Why do we need cardinality ratio and existence dependency constraint?