

2. Consider the classes of persons, males, and females. Name a relationship between all three that should be included in an ontology. Which part of this relationship can be expressed in RDF Schema?
3. Suppose we declare Bob and Peter to be the father of Mary. Obviously there is a semantic error here. How should the semantic model make this error impossible?
4. What relationship exists between “is child of” and “is parent of”?
5. Consider the property *eats* with domain *animal* and range *animal or plant*. Suppose we define a new class *vegetarian*. Name a desirable restriction on *eats* for this class. Do you think that this restriction can be expressed in RDF Schema by using `rdfs:range`?