

# Lab 2 Questions and Answers



1. Gruff “right mouse button” is confusing!

Answer: it provides interactive expansion of the graph letting me...(do whatever)

2. We are not yet taught how to create a class (e.g., Person, Book, Movie) in Jena and how to create instances for the class. Do we have to search for the Jena Javadoc and figure it out by ourselves?

Answer: Yes. It is extremely easy. We will not create any ontology resources, just data. The Jena tutorials offer examples, too.

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3. Do I come up with the URI for the resources, i.e., author and books, by themselves? That could be something random.

**Answer:** Yes. This was the intention. It would be preferred, for grading purposes, if the namespace at least starts with:  
“<http://utdallas.edu/semclass>”

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4. We need a predicate “wrote” (or similar) to connect the person and the books, a predicate “published-in-year” to connect the book and the year, etc. Do we define our own predicates? Would you provide some hint or reference for doing this?

**Answer:** Yes. Define your own predicates. Jena tutorials offer some examples.

5. Should I use the OntModel class?

**Answer:** No. Even though it was used in “Class Demo 1”, don’t use it at this point.

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6. Can I create a “book” as an object property of “AuthorName” and then add properties like the date, title, and publisher to it?

**Answer:** This implies an “AuthorName” class. In OWL, you will learn that it is bad to use instances as classes (i.e., making the instance a “AuthorName” class). It creates a “OWL Full” knowledge store (i.e., reasoning may not complete). It is a bad (and maintenance confusing) approach.

