Activity

- Try to find the name of the singer who gave the concert using Google or any other search engine.

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Activity

- Identify the similarities and differences between the html and xml representations.

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Activity

- Draw an ontology graph representing the following geography-related concepts:
  - *States, cities and countries are different types of places. Each city is located in a country. A city can also be the capital of a country. Each state belongs to a country. Countries border other countries. Each place has a population.*

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Activity

- Extend the ontology graph with appropriate RDF statements to represent the following:
  A. *Chiang Mai is located in Thailand.*
  B. *Bangkok is located in Thailand. It is also the capital of Thailand.*
  C. *The population of Chiang Mai is 148,477.*

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Activity

- Given the ontology in slide 27:
  - A. Which of its properties would you describe as object properties and which as datatype properties?
  - B. Would you describe *borders* as a transitive property or as a symmetric property?
  - C. Which of the existing properties would you describe as functional?
  - D. Give one example of a property that you would define as the inverse of one of the existing properties.

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Activity (cont'd)

- Given the ontology in slide 27:
  - E. Think of an example of two classes that you would describe as disjoint.
  - F. Which class axioms would you use to define the following:
    - i. *A region is something that is either a country or a state.*
    - ii. *A northern European country is a country that is both European and northern.*
  - G. Which restrictions would you use to define the following:
    - i. *A central European country is a European country that borders only European countries.*
    - ii. *A Thai city is a city that is located in Thailand.*
    - iii. *An island country is a country that doesn't border any other countries.*

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