

Due Monday, September 29 by 11:00 PM

1. Encode the following in the N3 serialization of RDF.

The sequence of documents entitled “Trust” and “Links” was made (in that order) by Ed, Fred, and Al together.

Use **rdf:Bag**, **rdf:Seq**, **foaf:Document**, **foaf:Person**, **foaf:maker**, **foaf:name**, and **dc:title**.

2. The Ideas Group uses the URI **http://www.group.org/id/** (with conventional QName prefix **id**) for ids for its group members; Ed has id 8, Fred has id 10, Al has id 11, and Pat has id 14.

14. Encode the following in RDF/XML. Use **foaf:knows**.

Fred knows at least one of Ed, Al, or Pat

3. Encode the following in N3 using whatever abbreviations are possible. Use the URI and ids for members that were used in Problem 2.

The document entitled “The Future of Computing” was written by Al and Fred (and no one else).

4. Encode the following in N3 and RDF/XML. For RDF/XML, use the abbreviated form that is possible when one uses **rdf:ID** appropriately. Use the ids for group members as before, and use the XSchema **date** data type.

On September 18, 2013, Fred said that Al knows Ed.

5. Encode the following in N3, specifying the units along with the height. Suppose that the group uses the URI **http://www.group.org/units/** (conventional QName prefix **gunits**) for the units (including **meters**) it defines and the URI **http://www.group.org/terms/** (conventional QName prefix **gterms**) for the terms (including **unit** and **height**) it defines.

Fred is 1.8 meters tall.