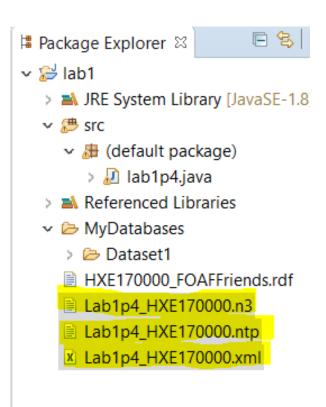
Semantic Web Lab 1 report HXE170000

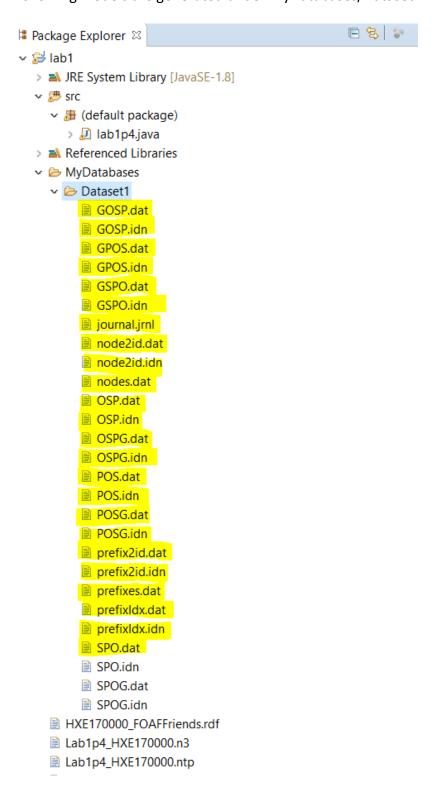
Goal: Created in-memory and persisted models with Jena. High level design: Created a VCard and FOAF into a model using Jena Steps:

- 1. Created a VCard to represent Dr. May Westford.
- 2. Used directory name approach in configuring TDB.
- 3. Created a FOAF profile (HXE170000_FOAFFriends.rdf) and imported it.
- 4. Modified the code to use the nameg graph (myrdf) instead of using un-named model.

Import the project as a java project and run it. You will see the following files generated.



Following models are generated under MyDatabases/Dataset1



Lab1p4_HXE170000.xml

```
| weight 1.0" mending windows 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 |
```

Lab1p4_HXE170000.n3

```
Oprefix rdf:
                  <http://www.w3.org/1999/02/22-rdf-syntax-ns#> .
%prefix admin: <a href="http://webns.net/mvcb/">http://webns.net/mvcb/</a>> .
%prefix rdfs: <a href="http://www.w3.org/2000/01/rdf-schema#">http://www.w3.org/2000/01/rdf-schema#</a>> .
@prefix foaf: <http://xmlns.com/foaf/0.1/> .
 http://utdallas/semclass/874659>
          <http://www.w3.org/2001/vcard-rdf/3.0#BDAY>
"March 28, 1965";
          <http://www.w3.org/2001/vcard-rdf/3.0#EMAIL>
"May.Westford@consolidatedsem.com";
          <http://www.w3.org/2001/vcard-rdf/3.0#FN>
"Dr. May Westford";
          <a href="http://www.w3.org/2001/vcard-rdf/3.0#0RG">http://www.w3.org/2001/vcard-rdf/3.0#0RG</a>
"Consolidated Semantics, U.S";
          <a href="http://www.w3.org/2001/vcard-rdf/3.0#TITLE">http://www.w3.org/2001/vcard-rdf/3.0#TITLE</a>
"North America Division Vice President"
<file:///C:/Users/haric/OneDrive/Documents/Semantic%20web/labl/HXE170000 FOAFFriends.rdf>
          a foaf:PersonalProfileDocument;
admin:errorReportsTo <mailto:leigh@ldodds.com>;
          admin:generatorAgent < http://www.ldodds.com/foaf/foaf-a-matic>;
                                     <file:///C:/Users/haric/OneDrive/Documents/Semantic%20web/lab1/HXE170000 FOAFFriends.rdf#me>;
          foaf:maker
                                      <file:///C:/Users/haric/OneDrive/Documents/Semantic%20web/lab1/HXE170000_FOAFFriends.rdf#me>
 file:///C:/Users/haric/OneDrive/Documents/Semantic%20web/lab1/HXE170000_FOAFFriends.rdf#me
                                        foaf:Person ;
          foaf:depiction
                                        <file:///C:/Users/haric/OneDrive/Documents/Semantic%20web/labl/picture.png>;
          foaf:family_name
                                         "Epuri" :
          foaf:givenname
                                         "Harichandana" ;
          foaf:homepage
                                        <https://personal.utdallas.edu/~hxel70000/>; [ a foaf:Person ;
          foaf:knows
                                           rdfs:seeAlso <https://www.utdallas.edu/shilpa>;
                                           foaf:mbox
                                                            <mailto:catsycool@gmail.com> ;
                                                            "Shilpa"
                                           foaf:name
                                                            foaf:Person ;
          foaf:knows
                                           rdfs:seeAlso <a href="https://www.utdallas.edu/rekha">https://www.utdallas.edu/rekha</a>;
                                           foaf:mbox
                                                            <mailto:wtproject0613@gmail.com> ;
                                           foaf:name
                                                             "Rekha"
          foaf:knows
                                                            foaf:Person;
                                           rdfs:seeAlso <https://www.utdallas.edu/hari>;
                                           foaf:mbox
                                                            <mailto:harichandana281997@gmail.com> ;
                                         <mailto:hxe170000@utdallas.edu> ;
          foaf:name
                                         "Harichandana Epuri" ;
          foaf:phone
                                        <tel:4694030808> ;
          foaf:schoolHomepage
                                         <https://www.utdallas.edu/>;
          foaf:title
                                         "Ms" :
          foaf:workInfoHomepage
                                        <file:///C:/Users/haric/OneDrive/Documents/Semantic%20web/lab1/Student>;
          foaf:workplaceHomepage <https://personal.utdallas.edu/~hxe170000/>
```

Lab1p4_HXE170000.ntp

```
CHIEF/INSTALLAND CONTROLLAND C
```

Conclusion: Learnt how to create in memory and persisted model using Jena.