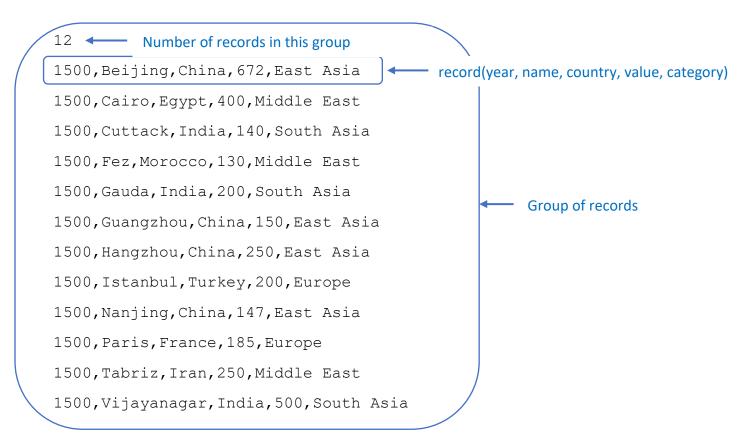
%city_populations.txt

```
The most populous cities in the world from 1500 to 2018

Title

Population (thousands)

x-axis label
```



You can read text files line-by-line. All the fields separated by commas and grouped by time period.

%country populations.xml

Each XML element enclosed by the two tags <record> and </record> contains the name, country, year, value, and category information. You should parse the given XML document to extract all the records and then keep them in a right Collection implementation.

You have allowed two alternatives to extract content from an XML document:

- You can use java.net.URL and Scanner classes to open a stream for given URLs. Then you can extract data by using Regular Expression.
- You can use javax.xml.parsers and org.w3c.dom libraries.

To parse XML see:

Oracle DOM Parser Tutorial: https://docs.oracle.com/javase/tutorial/jaxp/dom/readingXML.html Java DOM Parser Example: https://howtodoinjava.com/java/xml/read-xml-dom-parser-example/ Oracle SAX Parser Tutorial:

https://docs.oracle.com/javase/tutorial/jaxp/sax/parsing.html
Java SAX Parser Example: https://howtodoinjava.com/java/xml/sax-parser-read-xml-example/

Note: No third-party toolkits or libraries are allowed. However, you are free to use any of the sample code provided in this course.