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| Course: | CS6020 |
| Assignment: | Module 4 ­ Data Import ­ C |
| Total Points: | 100 |
| Date Due: | Posted on Blackboard |

# Learning Objectives

In this assignment, you will learn how to:

* read and parse XML
* retrieve data from XML

# Tasks

1. (25 Points) Load and then parse the XML document at the URL

(​http://www.cs.washington.edu/research/xmldatasets/data/auctions/ebay.xml)​ using xmlTreeParse()​. The data sets contains bidding information about items on eBay. Create any intermediate data objects as deemed necessary to write functions to answer the following question: how many auctions had more than 5 bids

1. (75 Points) Take a look at the data set on trades during a single day for ESZ13 futures trades at the URL ​http://www.barchartmarketdata.com/data­samples/getHistory15.xml​. After loading the data, write functions to answer these retrieval queries:
   1. what was the highest closing price for the security?
   2. what was the total volume traded?
   3. what was the average trading volume during each HOUR of the trading day; place the result into a data frame