

Quiz

CSC301 Algorithms and Data Structures

19 March 2015

1. In just a few words, what is an important way in which the tilde analysis differs from a Big-Oh analysis?
2. What is a “wide API?” Is a wide API a good thing? Why or why not?
3. What is an “amortized analysis?” For which of the data structures that we have examined is amortized analysis appropriate?
4. If we want to define a class that models a Bag using a linked list, then we might find it convenient to use inner classes for which two purposes?
5. Describe the API for a data structure that supports the FIFO protocol.