

CS 6301.002. Implementation of advanced data structures and algorithms  
Spring 2016  
Short Project 0pq (Priority Queues)  
Thu, Feb 4, 2016

Ver 1.0: Initial description (Feb 4, 8:00 AM).

Ver 1.1: Zip file with simpler index (Feb 11, 8:00 AM).

Due: 11:59 PM, Sun, Feb 14 (was Feb 11).

This is an OPTIONAL project.

Code base: <http://www.utdallas.edu/~rbk/teach/2016s/java/pq-1.1.zip>  
(Ver 1.0: was <http://www.utdallas.edu/~rbk/teach/2016s/java/pq.zip>)

1. Implement BinaryHeap
2. Implement IndexedHeap and Prim's MST algorithm (MST.java)
3. Compare the running times of Prim1 (priority queue of edges)  
and Prim2 (indexed priority queue of vertices).