

CSE 208 - Offline 8: Binomial Heap

Submission Deadline: Week 11

In this offline, you have to implement a binomial heap. Implement the following functions.

1. **Find-min** (returns the minimum node)
2. **Extract-min** (returns the minimum node after deleting it from heap)
3. **Insert** (inserts a new node into the heap)
4. **Union** (merges two heaps)
5. **Print** (prints the level order traversal including level no. of each of the binomial trees in the heap)

Instructions:

- You must implement the functions as described in the class. No alternative approach is acceptable.
- You cannot use standard template libraries.
- Please maintain appropriate time complexity in your implementation of the functions.
- Submission deadline for all subsections is 11:55pm, 19 January 2019.