1. **Write the advantages and disadvantages of leftist heaps:**

   The leftist heap allows for concatenation at an efficient O(logn) (Traditional Binary heaps take 0(N)); this is incredibly useful when combining multiple datasets. However, it is much more verbose to implement because it relies on the ranks to be computed at each insertion iteration.

2. **Explain the advantages and disadvantages of implementing a leftist heap using a pointer-based implementation instead of an array-based implementation.**

   By using a pointer-based implementation calculating parent/children nodes is no longer constant time, making finding parent addresses much more difficult. However, since these trees do not have a specific fixed structure it would be much more difficult to maintain in an array. Another disadvantage of pointer-based is that it requires memory management i.e. avoiding memory leaks, linking nodes, etc.