

## **HASHING : Guided Exercises**

1. Consider the double hashing method. Develop search, insertion, and deletion algorithms with data logical erasure.
2. Consider the internal chaining algorithm using a simple linked list. Provide a formal expression for the insertion and deletion algorithms.
3. Reconsider the algorithms for linear probing in the case where there is more than one element per cell of the table.
4. Revisit the algorithms for internal chaining when there is more than one element per cell of the table.
5. Calculate the number of overflow items in a table consisting of 1000 items, assuming different densities of 40%, 50%, 60%, 70%, 80%, and 90%.