Data Structure and Algorithm Lab

Lab Program 6

Design and implement a menu-driven Java program to perform the following operations using hashing with collision resolution (Linear Probing / Quadratic Probing / Chaining):

- Insert a key into the hash table.
- Delete a key from the hash table.
- Search for a key in the hash table.
- Display the contents of the hash table.
- Handle collisions appropriately using the chosen technique.
- Exit.

The program should handle cases such as insertion into a full table and searching/deleting for non-existent keys with proper messages