Assignment

1. Write c++ code for create, insert and delete operations of Singly linked list

2. Explain operations of doubly linked list and write code to each operation

3. Using the division method and linear probing, store the following keys into hash table of size 19. How many collisions occurs?

   224562,137456,214562,140145,214575,162145,144467,199645,234534

4. What is hashing and hash function? Give at least two examples of hash function.

5. Explain the term dictionary. Write suitable data structure for implementing dictionaries.

6. What is rehashing?

7. Explain collision resolution strategies.