Assignment-2 Questions

1. Define Dictionaries? Explain about different representations of Dictionaries?
2. Define Hashing ? Define collision and discuss any two collision resolution techniques?

3. Discuss any 2 different hashing functions with an example.
4. Use quadratic probing to fill the Hash table of size 11. Data elements are 23,0,52,61,78,33,100,8,90,10,14.
5. Consider a hash table of size 10 and a simple hash function $h(key) = key \% 10$. Use linear probing to insert the following keys: 25, 35, 45, 55, 65

6. Use Separate chaining to fill hash table of size 7 and the following keys to be inserted: {42, 38, 52, 10}.The hash function used is $H(key) = key \% 7$.
7. Use quadratic probing to fill the Hash table of size 11. Data elements are 23,0,52,61,78,33,100,8,90,10,14.

8. Explain about linear probing and quadratic probing with example
9. Distinguish between double hashing, rehashing, and Extendible hashing.
10. Distinguish between double hashing and rehashing.