**Recall Quiz - Day6**

1. What is a hash table?
2. A structure that maps values to keys
3. A structure that maps keys to values
4. A structure used for storage
5. A structure used to implement stack and queue

2. If several elements are competing for the same bucket in the hash table, what is it called?

1. Diffusion
2. Replication
3. **Collision**
4. Duplication

3. What is direct addressing ?

1. **Distinct array position for every possible key**
2. Fewer array positions than keys
3. Fewer keys than array positions
4. Same array position for all keys

4. What is the search complexity in direct addressing?

1. O(n)
2. O(logn)
3. O(nlogn)
4. **O(1)**

5. Choose the correct option in context to hashing ?

1. A function has allocated memory to keys
2. **A function that computes the location of the key in the array**
3. A function that creates an array
4. A function that computes the location of the values in the array